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OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

MESSAGE

FROM THE

PRESIDENT OF THE UNITED STATES,

TRANSMITTING

A REPORT BY THE SECRETARY OF AGRICULTURE OF THE OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY OF THAT DEPARTMENT FOR THE FISCAL YEAR ENDED JUNE 30, 1900.

JANUARY 17, 1901.—Read, referred to the Committee on Agriculture and Forestry, and ordered to be printed.

To the Senate and House of Representatives:

I transmit herewith a report by the Secretary of Agriculture of the operations of the Bureau of Animal Industry of that Department for the fiscal year ended June 30, 1900, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

WILLIAM MCKINLEY.

EXECUTIVE MANSION,
January 17, 1901.

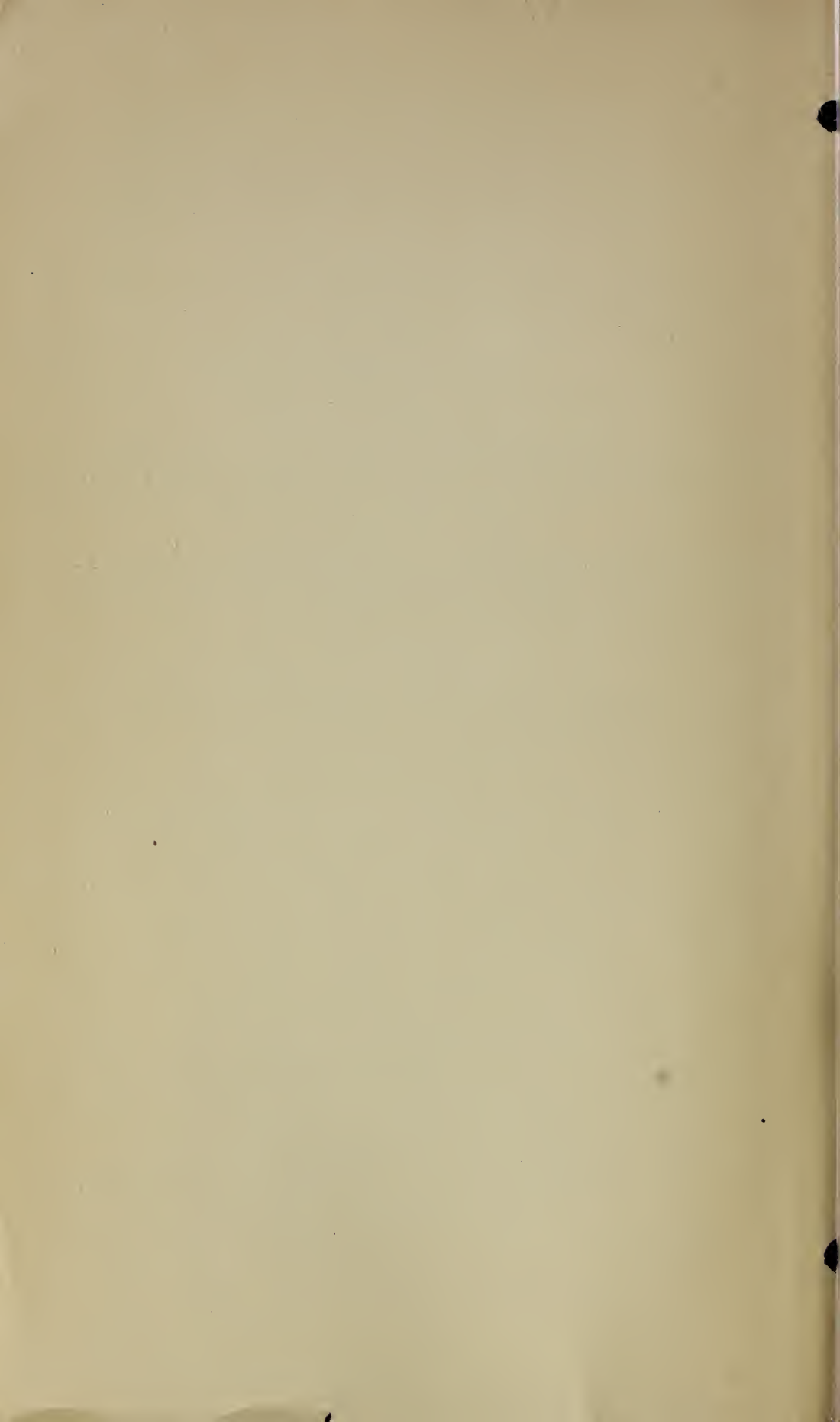
DEPARTMENT OF AGRICULTURE,
OFFICE OF THE SECRETARY,
Washington, D. C., January 15, 1901.

The PRESIDENT:

I have the honor to submit herewith, for transmittal to Congress, a report of the operations of the Bureau of Animal Industry of this Department for the fiscal year ended June 30, 1900, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

Respectfully submitted.

JAMES WILSON, *Secretary.*



OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY FOR THE FISCAL YEAR ENDED JUNE 30, 1900.

WORK OF THE INSPECTION DIVISION.

MEAT INSPECTION.

The inspection of meat for the interstate and foreign trade has been conducted during the year on the same principles as heretofore. There has been a great reduction in the amount of microscopic inspection on account of the lessened demand in Continental Europe for American pork. This is probably due to the higher price which this article has commanded in the American market.

The expense of microscopic inspection is considerably greater per carcass examined than heretofore, partly because of the irregularity of this work and partly because more time has been given to each specimen examined.

In the general meat inspection much time has been devoted to improving the system and perfecting checks to guard against the use by unscrupulous dealers of meat which has been condemned as unwholesome. The law which is intended to guard against this fraud is not as stringent or as perfect as is desirable, and it requires constant vigilance on the part of the inspectors to accomplish the object of the inspection.

The number of localities where the work of meat inspection was in operation during the year was increased from 41 to 45, while the number of abattoirs and packing houses receiving the benefit of this inspection was 148, as against 138 in the preceding year.

The table given below shows the number and different kinds of animals inspected before slaughter in stock yards and at abattoirs. As most of the animals are inspected in the stock yards, comparatively few are rejected at the abattoirs. The figures show a material increase in all classes of animals inspected, with the exception of hogs, of which the number is noticeably diminished:

Ante-mortem inspections for the fiscal year 1900.

Kind of animal.	For official abattoirs in cities where inspections were made.	For abat- toirs in other cities and miscellane- ous buyers.	Total inspec- tions.	Rejected (subject to result of post- mortem inspec- tion).	
				At abat- toirs.	In stock yards.
Cattle	5,027,998	4,628,764	9,656,762	214	31,752
Sheep	6,170,172	3,684,560	9,854,732	776	10,725
Calves	808,542	251,193	559,735	265	3,095
Hogs	23,328,102	9,683,103	33,011,205	4,637	107,989
Horses	5,560	-----	5,560	66	-----
Total	34,840,374	18,247,620	53,087,994	5,958	153,561

The following table, showing the total number of animals inspected before slaughter for abattoirs having inspection for the fiscal years 1891 to 1900, is given for the purpose of comparison:

Number of animals inspected before slaughter for abattoirs having inspection, fiscal years 1891 to 1900.

Fiscal year.	Cattle.	Calves.	Sheep.	Hogs.	Horses.	Total.
1891	83,891					83,891
1892	3,167,009	59,089	583,361			3,809,459
1893	3,922,174	92,947	870,512			4,885,633
1894	3,862,111	96,331	1,020,764	7,964,850		12,944,056
1895	3,732,111	109,941	1,344,031	13,576,917		18,783,000
1896	4,050,011	213,575	4,710,190	14,301,963		23,275,739
1897	4,289,058	259,930	5,179,643	16,813,181		26,541,812
1898	4,552,919	241,092	5,706,092	20,713,863		31,213,966
1899	4,654,842	245,859	5,718,464	23,783,576	3,232	34,405,973
1900	5,027,998	308,542	6,170,172	23,328,102	5,560	34,840,374

The number and classes of animals inspected at time of slaughter and the number of these, or parts thereof, condemned will be found in the following table:

Post-mortem inspection for fiscal year 1900.

Kind of animal.	Number of inspections.			Carcasses condemned.			Parts of carcasses condemned at abattoirs.
	For official abattoirs.	On animals rejected in stock yards.	Total.	For official abattoirs.	Animals rejected in stock yards.	Total.	
Cattle	4,841,166	20,828	4,861,994	6,209	4,029	10,238	8,973
Sheep	6,119,886	5,209	6,125,095	4,234	1,240	5,474	309
Calves	315,693	276	315,969	182	54	236	32
Hogs	23,336,884	92,112	23,428,996	38,598	7,248	45,846	21,032
Horses	5,559		5,559	112		112	
Total	34,619,188	118,425	34,737,613	49,335	12,571	61,906	30,346

The above table shows the condemnations made upon ordinary inspection. The additional number resulting from the microscopic inspection of hogs for trichinæ will be referred to under another heading.

Besides the carcasses condemned at slaughter or for trichinosis, a large number, as usual, were tanked because of death resulting from disease or injury, or because the animals had been killed by city inspectors after rejection in the stock yards, or had been found dead in cars or pens at abattoirs. The subjoined table shows the numbers so disposed of:

Manner of death.	Cattle.	Sheep.	Calves.	Hogs.	Horses.	Total.
Died in stock yards	383	974	160	1,854		3,371
Killed in stock yards	1,691	1,827	574	6,036		10,128
Dead at abattoirs	250	1,118	119	15,426	29	16,942
Total	2,324	3,919	853	23,316	29	30,441

Immediately following is a statement of the total number of carcasses and parts condemned and tanked, including the animals found

dead and those killed by the city inspectors, and giving the causes of condemnation at time of slaughter:

Causes of condemnation of carcasses and parts of carcasses for fiscal year 1900.

Cause of condemnation.	Cattle.		Sheep.		Calves.		Hogs.		Horses.
	Car-casses.	Parts.	Car-casses.	Parts.	Car-casses.	Parts.	Car-casses.	Parts.	Car-casses.
Actinomycosis	1,661	766	-----	-----	3	1	27	9	-----
Tuberculosis	4,194	85	993	-----	9	-----	4,379	1,061	1
Cholera and swine plague	-----	-----	-----	-----	-----	-----	32,859	-----	-----
Texas fever	49	-----	-----	-----	13	-----	-----	-----	-----
Echinococcus	-----	203	34	12	1	-----	11	476	-----
Measles	-----	-----	-----	-----	-----	-----	30	-----	-----
Scabies	-----	-----	51	-----	-----	-----	103	-----	-----
Eczema	-----	-----	41	-----	-----	-----	17	-----	-----
Erysipelas	-----	-----	-----	-----	-----	-----	29	-----	-----
Cancer	92	-----	1	-----	-----	-----	5	-----	-----
Tumor	21	337	7	-----	-----	-----	616	4,696	-----
Abscess	1,073	735	351	51	8	4	804	2,427	1
Pneumonia	209	-----	263	-----	15	-----	1,078	-----	6
Pleurisy	30	-----	83	-----	2	-----	67	26	1
Carditis	3	-----	1	-----	-----	-----	-----	-----	1
Enteritis	31	2	86	-----	10	-----	325	-----	1
Peritonitis	170	1	70	-----	7	-----	409	-----	3
Metritis	20	-----	8	-----	-----	-----	134	-----	1
Nephritis	3	-----	74	-----	-----	-----	74	-----	-----
Uræmia	5	-----	36	-----	3	-----	10	-----	-----
Mammitis	-----	-----	1	-----	-----	-----	532	-----	-----
Septicæmia	233	-----	284	-----	8	-----	828	-----	12
Pyæmia	225	-----	224	-----	6	-----	1,635	-----	5
Gangrene	21	-----	1	-----	-----	-----	19	-----	-----
Anæmia, emaciation, marasmus	1,546	-----	1,730	-----	35	-----	423	-----	37
Ascites	14	-----	76	-----	-----	-----	47	-----	-----
Jaundice	161	675	212	-----	6	-----	782	-----	-----
Extreme temperature, various causes	4	-----	36	-----	4	-----	202	-----	2
Pregnancy	40	-----	30	-----	-----	-----	344	-----	-----
Recent parturition	17	-----	5	-----	-----	-----	60	-----	2
Hernia	10	-----	4	-----	-----	-----	13	-----	-----
Downers, bruised, in- jured, etc	1,366	3,169	756	246	33	27	507	11,805	29
Dead from various causes	633	-----	2,092	-----	279	-----	17,280	-----	29
Too young	-----	-----	1	-----	70	-----	-----	-----	-----
Leucocythæmia	5	-----	-----	-----	-----	-----	-----	-----	-----
Gastritis	1	-----	-----	-----	-----	-----	-----	-----	-----
Anthrax	-----	-----	6	-----	-----	-----	-----	-----	-----
Encephalitis	-----	-----	1	-----	-----	-----	-----	-----	-----
Distoma	-----	-----	2	-----	-----	-----	-----	-----	-----
Æsophagostoma	-----	-----	6	-----	-----	-----	-----	-----	-----
Sick	-----	-----	-----	-----	3	-----	-----	-----	-----
Melanosis	-----	-----	-----	-----	-----	-----	-----	-----	1
Paraphimosis	-----	-----	-----	-----	-----	-----	-----	-----	1
Fistula	-----	-----	-----	-----	-----	-----	-----	-----	6
Open joint	-----	-----	-----	-----	-----	-----	-----	-----	2
Killed by city inspectors	1,691	-----	1,827	-----	574	-----	6,036	-----	-----
Total	12,562	8,973	9,393	309	1,089	32	69,162	21,032	141

The meat-inspection tag or brand was placed upon 17,177,442 quarters, 343,427 pieces, and 1,554 sacks of beef; 6,050,444 carcasses of sheep, 310,126 carcasses of calves, 1,138,507 carcasses of hogs, and 553,756 sacks and 48,485 pieces of pork.

The number of packages to which the ordinary meat-inspection stamp was affixed consisted of 5,584,995 containing beef, 24,151 of mutton, 107 of veal, 13,122,677 of pork, and 602 of horseflesh.

The number of cars that were sealed containing inspected products for transshipment to official establishments and other places was 69,937.

The number of ordinary certificates issued, except for horseflesh, was 43,631. The meat products for export covered by these certifi-

cates comprised 1,766,234 quarters, 22,844 pieces, and 1,225,214 packages of beef, with a total weight of 438,138,233 pounds; 11,468 packages of mutton, weighing 680,897 pounds, and 46,233 carcasses of hogs and 897,551 packages of pork, weighing 272,050,663 pounds. Eight certificates were issued for 472 packages of horseflesh, weighing 188,800 pounds.

The cost of conducting the work of ordinary meat inspection was \$505,280.52. This is an increase of \$39,571.29 over the amount expended the previous year, and as this year's total of ante-mortem inspections is 53,087,994, against 53,223,176 in 1899, the average cost of each inspection is increased from 0.88 to 0.95 cent.

The following statement shows the cost of each ante-mortem inspection from 1893 to 1900, inclusive:

Year.	Cost.	Year.	Cost.
	<i>Cents.</i>		<i>Cents.</i>
1893	4.75	1897	0.91
1894	1.75	1898 .....	.80
1895	1.10	1899 .....	.88
1896 .....	.95	1900 .....	.95

MICROSCOPIC INSPECTION OF PORK.

The number of carcasses examined was 999,554, resulting in the following classification: Class A, free from all appearances of trichinæ, 968,405, or 96.88 per cent; Class B, containing trichina-like bodies or disintegrating trichinæ, 11,701, or 1.17 per cent; Class C, containing living trichinæ, 19,448, or 1.95 per cent. The percentages this year are practically the same as those previously found, there being a slight increase in carcasses of Class C.

There were 19,465 trichinous carcasses (including a few left over from preceding year) disposed of; their weight is given as 4,674,363 pounds. Of this quantity approximately half was tanked, the rest being turned into cooked meat.

The number of certificates issued for packages bearing the microscopic-inspection stamp was 12,107; the number of packages was 253,333, with a weight of 55,809.626 pounds.

The year having witnessed a great falling off in the trade in microscopically inspected pork products, the number of examinations and the number of pounds exported were reduced to about half the figures for 1899, while the expenses were reduced but about one-fourth, and, as a consequence, the relative cost is much more. The figures for this year are: Expenditures, \$154,950.22; average for each carcass examined, 15.5 cents; for each pound exported, 0.277 cent. For 1899, the corresponding figures were \$198,355.14; 8.9 cents; 0.182 cent.

INSPECTION OF VESSELS AND EXPORT ANIMALS.

While there has been an increase in the total exports of cattle to all countries for 1900 over 1899, the decline in the number of domestic cattle and sheep exported to Europe, noted in the last report, has continued, but there has been increase in the number of horses over last year of 40 per cent. The figures for Canadian shipments from American ports show a decrease in all classes of animals.

The following table shows the number of American and Canadian

animals inspected, number rejected for export, number tagged, and number exported during the fiscal year 1900:

Number of inspections, etc., of American and Canadian animals, fiscal year 1900.

Kind of animal.	American.				Canadian.		
	Number of inspections.	Number rejected.	Number tagged.	Number ex-ported.	Number in-spected.	Number rejected.	Number ex-ported.
Cattle.....	632,512	1,373	318,298	¹ 305,182	23,652	18	23,634
Sheep.....	143,313	53	.....	² 73,426	28,954	64	28,890
Horses.....	54,863	173	.....	³ 37,080	1,447	1	1,446
Swine.....	.....	.....	.....	10	.....	.....	.....

¹ 9,754 via Canada.

² 1,581 via Canada.

³ 410 via Canada.

The figures showing the exports of American and Canadian animals from the United States for 1898 and 1899 are given in the following table for purposes of comparison with the number of inspections, etc., shown in the table immediately preceding:

Number of animals inspected and exported for fiscal years 1898 and 1899.

Kind of animal.	1898.		1899.	
	American.	Canadian.	American.	Canadian.
Cattle.....	400,512	19,392	311,595	27,797
Sheep.....	147,907	29,459	98,551	37,206
Horses.....	29,570	3,955	26,351	2,685

In addition to the above animals inspected for export to Europe, there were also inspected 6 cattle destined to Jamaica and 888 to Bermuda, and 63 Canadian sheep to Argentina.

The number of certificates issued for American cattle was 1,192; the number of clearances of vessels carrying live stock was 862.

The number of American and Canadian animals inspected at port of debarkation by inspectors of this department stationed at London, Liverpool, and Glasgow, together with the number and percentage lost in transit, is shown in the following table:

Number of animals inspected at time of landing in London, Liverpool, and Glasgow, and loss in transit.

From—	Cattle.			Sheep.			Horses.		
	Landed.	Lost.		Landed.	Lost.		Landed.	Lost.	
	<i>Number.</i>	<i>No.</i>	<i>Per cent.</i>	<i>Number.</i>	<i>No.</i>	<i>Per cent.</i>	<i>Number.</i>	<i>No.</i>	<i>Per cent.</i>
United States.....	290,609	556	0.19	71,547	436	0.61	27,836	741	2.59
Canada.....	19,889	189	.94	24,997	253	1.00	1,228	20	1.60
Total.....	310,498	745	.24	96,544	689	.71	29,064	761	2.55

CONTROL OF CONTAGIOUS DISEASES.

Southern cattle inspection.—During the quarantine season of 1899 the employees of this Department supervised the movement of 1,058,484 cattle, in 39,976 cars, from the district infested with the Southern cattle tick (*Boophilus bovis*); 39,663 cars were cleaned and disinfected.

In Texas 357,422 cattle were inspected and identified by brands as

originating north or west of the quarantine line and were permitted to be shipped by rail or traileed to other States or Territories for grazing.

In conjunction with the authorities of the State of Missouri 6,065 cattle originating in the northern counties of Arkansas were inspected and permitted to be driven into the former State.

The prevention of sheep scab.—The sheep industry of the United States has long suffered severely from the form of scabies produced by the *Psoroptes communis*, and commonly known as sheep scab. Many of the Western States and Territories have been badly infected, and the sheep shipped from these have spread the contagion to the feeding yards, stock yards, stock cars, and to all the ramifications of the channels of interstate commerce. As a result of this dissemination of the contagion, the Eastern feeders who have purchased store sheep have very often found them infected with this troublesome disease. There have consequently been severe losses from the disease in all parts of the country.

It has been a difficult matter to get control of the sheep traffic in such a manner as to prevent the spread of scab, without at the same time too seriously interfering with the marketing of the animals. To lessen the burden of the sheep owners as much as possible, the regulations were at first very simple and easily complied with. They have been made more stringent and effectual as the nature and objects of the requirements became known.

The first step in the process of control was to give notice of the existence of the disease and of the provisions of the law prohibiting the shipment of diseased or exposed animals from one State or Territory to another. At the same time a bulletin giving information of the nature of the disease and the methods for curing it was widely distributed through the affected sections. Diseased sheep coming into the stock yards were required to be dipped before being shipped to other States or sold as feeders.

As the results of the dipping were not satisfactory, this operation was put under the supervision of Bureau inspectors, and the dipping liquid was required to be made of certain specified ingredients used in proper proportions. Inspectors were also placed at all points where railroads crossed the Missouri River, in order to discover the diseased sheep and stop them before they gained access to the large stock yards or more eastern points. Finally, inspectors were distributed throughout the States where the traffic originates to inspect the sheep and certify to the healthy ones at the time of shipment.

The effect of this work has been very marked. Sheep owners have been encouraged and stimulated to treat their diseased animals and free their ranges from the contagion. There is a much smaller number of diseased sheep found in the stock yards, and the infection is gradually disappearing. A few years more of earnest work will be sufficient to eradicate this disease and to remove in this manner one of the greatest sources of loss to the sheep industry.

Experiments with reference to this disease are in progress at the experiment station of the Bureau. A flock of Delaine Merino sheep has been purchased in order to determine the precise effect of various dips on a standard fine wool. The wool of the merino sheep is much finer and more closely set than that of most other breeds, and it is a question whether a dip effective for sheep with a smooth skin and straight wool is equally effective when applied to sheep with the fleece and skin of the Merino.

The number of sheep inspected at various places in order to prevent the interstate shipment of diseased sheep was 1,801,379; and the number dipped under the supervision of Bureau inspectors was 626,838.

INSPECTION OF IMPORTED ANIMALS.

The number and classes of animals imported from Mexico and inspected at ports of entry along the international boundary line are here given: Cattle, 80,329; sheep, 9,976; swine, 44; goats, 4,132; horses, 3.

From Canada the imports of animals not subject to detention at quarantine stations comprised 77,693 cattle, 209,373 sheep, 1,886 horses, 1,092 swine, 6 goats, and 1 deer; total, 290,051. Of these, 1,012 cattle, 7,262 sheep, 137 horses, and 180 swine were imported for breeding purposes.

Through the port of New York there were imported 265 horses and 350 mules; through the port of San Francisco, 8 horses.

The following table shows the number and kinds of animals detained in quarantine for the specified time:

Number of animals imported and quarantined at different stations.

Stations.	Cattle.	Sheep.	Swine.
Littleton, Mass.		14	
Garfield, N. J.	379	356	2
Port Huron, Mich.	6		
Detroit, Mich.	3		
Sault Ste. Marie, Mich.	4		
Alexandria Bay, N. Y.	5		
Buffalo, N. Y.	14		
Ogdensburg, N. Y.	3	1	
St. Albans, Vt.	13		
Richford, Vt.	1		
Newport, Vt.	11		
Beechers Falls, Vt.	48	2	1
Island Pond, Vt.	34	7	1
Houlton, Me.	32	132	2
Vanceboro, Me.	31	2	
Eastport, Me.	3	20	
Total.....	587	534	6

There were also received at the Garfield station 7 deer, 4 gazelles, 32 camels, 1 goat, 2 zebras.

WORK OF THE BIOCHEMIC DIVISION.

MALLEIN.

In addition to the preparation of tuberculin, which will be mentioned later, the biochemic division has made and distributed 10,722 doses of mallein for testing horses for glanders. Considerable quantities of this were used in Minnesota, Iowa, South Dakota, and Oklahoma Territory, but the largest part was supplied to the War Department, and small amounts have been sent to twelve different States.

SERUM FOR HOG CHOLERA AND SWINE PLAGUE.

The work of preparing serum for treating hog cholera and swine plague has been continued this year as last. The number of animals which has been used for the preparation of the serum is about the same as last year. A force of inspectors of the Bureau has been engaged

in treating a large number of animals in two counties in Iowa, two of the same counties in which work was conducted during the last year. The results in general, so far as can be determined at the present time, are hardly such as to justify positive conclusions, though sufficiently encouraging to justify continued experimentation.

The preparation of the large quantities of antitoxic serum necessary to conduct the work in the field has entailed a large amount of routine work in the laboratory and also at the experiment station, where the animals for supplying the serum have been treated. Full reports are being kept this year, as last, of the herds that are treated; cultures are taken from the sick animals and are sent to the laboratory for further tests and identification, and care is taken not only to demonstrate the exact character of the disease, so far as possible, existing in the animals which are treated in the field, but also to test the quantity and character of the serum used for treatment. Important variations in cultures, cultural products, and their bearings which have developed in this work are being carefully studied.

INTERNATIONAL CONGRESSES OF MEDICINE AND HYGIENE.

These two important international congresses, which meet every third year, held their sessions during the present summer. As the investigations conducted in the laboratories of the Bureau of Animal Industry are of such far-reaching importance in the study, both of diseases of men and animals, it seemed proper that the Bureau should be represented. Accordingly, Dr. E. A. de Schweinitz, chief of the biochemic division, who was in England in connection with some tuberculosis investigations, was instructed to represent the Bureau and the Department of Agriculture at these meetings. Over 6,000 doctors were registered in connection with the International Medical Congress. The work of this congress was divided into a number of different sections, the section on bacteriology embracing the work which was more directly connected with the work of the biochemic laboratory. The sessions of this section were held at the Pasteur Institute in the new chemical biologic (or biochemic) laboratory, which has just been completed at an expenditure of several million francs. This laboratory and an excellent new hospital, which has also just been completed, together with the old Pasteur Institute, are to be devoted entirely to the study of bacteria, bacterial products, toxins, and antitoxins in relation to disease, and also to the study of bacteria and bacterial products from an economical standpoint. If the laboratory investigation of the Bureau of Animal Industry conducted in poorly adapted buildings have given such useful results, the benefits which would accrue from investigations conducted in so complete a laboratory as the one referred to, where every possible facility is provided, would be untold.

Dr. de Schweinitz presented to the congress a paper giving a review of the most important experimental work in connection with tuberculosis in the United States during the past ten years. The fact that this section was attended by such men as Duclaux, Metschnikoff, Laveran, Blanchard, Arloing, Buchner, Ehrlich, Salomensen, Roux, Martin, Nocard, and many other of the most prominent scientific men of Europe is evidence of the importance of the Bureau's being represented on such occasions and taking an active part in the proceedings. The representative of the Bureau was one of the honorary presidents and presiding officers.

While no new or startling investigations were announced, very many valuable reviews in different lines of work were brought to the attention of the members of the congress, which may be said to have served to a great extent as a "clearing house" and a new starting point for continuation of important investigations.

The Congress of Hygiene had a very much smaller number of members than the International Medical Congress, and the matters presented were to some extent the same as those discussed in the International Medical Congress. The paper read here by Dr. de Schweinitz was a review of the work which has been carried on in endeavoring to control tuberculosis in men and animals in the United States. The resolutions adopted and general views of importance expressed will be submitted for publication in the annual report of the Bureau.

WORK OF THE PATHOLOGICAL DIVISION.

The principal work of this division during the past fiscal year has consisted in (1) the preparation and distribution of blackleg vaccine; (2) laboratory experiments for diagnostic purposes in connection with an outbreak of rabies in the District of Columbia; (3) an investigation of the nature, cause, and economic importance of caseous lymphadenitis in sheep; (4) an investigation of an outbreak of rabies in the dairy herd of the Government Asylum for the Insane at St. Elizabeth, D. C.; (5) an investigation of the prevalence of tuberculosis in the same herd, and the determination of the pathogenic properties of milk from cows which have reacted to tuberculin but show no physical symptoms of tuberculosis; (6) an investigation of an outbreak of facial dermatitis in sheep in Maryland; (7) an investigation of several outbreaks of gangrenous vulvitis in cattle; (8) an investigation of an outbreak of an infectious disease among a flock of sheep in Michigan; (9) an investigation regarding the therapeutic value of the so-called gasoline treatment for parasitic diseases in sheep; (10) an investigation regarding infectious abortion in cattle; (11) the determination of pathological specimens referred to this division for diagnosis; (12) the preparation of answers to numerous inquiries regarding diseases of live stock in the United States.

In addition to the above, it has devolved upon the chief of this division to prepare the examination for veterinarians in the United States cavalry and to grade the numerous papers according to their merits.

THE PREPARATION AND DISTRIBUTION OF BLACKLEG VACCINE.

During the past fiscal year 1,076,150 doses of blackleg vaccine have been prepared and distributed among the various States and Territories, as itemized below. The demand for this preventive is steadily increasing, and the summarized reports of 2,000 cattle owners testify to the great efficiency of the preparation in reducing losses from blackleg to a minimum. It is conservatively estimated that the annual loss from this disease, when no preventive measures are taken, amounts to about \$6,000,000. This estimate is based upon the reported loss of from 10 to 25 per cent of all young stock in the vast districts of this country where blackleg prevails.

So far as can be judged at the present time, the loss after vaccination during the past year has been less than one-half of 1 per cent.

An elaborate report containing the details of this work and an itemized account of the results obtained is now under preparation.

Since the beginning of the distribution of blackleg vaccine, in August, 1897, the total number of doses furnished to the cattle raisers of this country amounts to 1,711,900, and the indications are that between 2,000,000 and 2,500,000 doses will be required to supply the demand during the fiscal year ending June 30, 1901.

Number of doses of blackleg vaccine distributed during fiscal year ended June 30, 1900, by States.

States.	Num-ber.	States.	Num-ber.
Arizona	3,750	Nevada	1,390
Arkansas	420	North Carolina	3,315
California	8,585	North Dakota	76,325
Colorado	99,340	Ohio	60
Georgia	20	Oklahoma	42,085
Idaho	4,595	Oregon	6,655
Illinois	1,535	Pennsylvania	2,045
Indiana	600	Philippine Islands	50
Indian Territory	28,495	South Dakota	91,575
Iowa	13,325	Tennessee	1,970
Kansas	172,535	Texas	189,235
Kentucky	4,235	Utah	6,725
Louisiana	75	Vermont	410
Michigan	170	Virginia	19,190
Minnesota	13,835	West Indies	500
Mississippi	340	Washington	2,615
Missouri	19,420	West Virginia	2,770
Montana	23,560	Wisconsin	540
Nebraska	185,580	Wyoming	38,600
New Mexico	9,215		
New York	465	Total	1,076,150

RABIES IN THE DISTRICT OF COLUMBIA.

There has been a marked increase in the number of rabid dogs discovered in the District of Columbia during the past year. In previous years the number brought to the attention of this Bureau was as follows: In 1893, 11; 1895, 2; 1896, 5; 1897, 3; 1898, 7; 1899, January 1 to June 30, 4. For the fiscal year ended June 30, 1900, the number of cases was: August, 1; October, 2; November, 5; December, 7; January, 5; February, 6; March, 4; April, 6; May, 6; June, 3—total, 45. In addition, 4 cows, 1 cat, and 1 horse were tested and found to have died of rabies. Four men and 16 children were bitten.

The continued prevalence of this terrible and fatal disease at the seat of the Federal Government is a serious condition, and one which demands earnest consideration. Rabies is a disease which originates only from contagion; in the vast majority of cases it is caused by the bite of a rabid dog. If, when an outbreak occurs, dogs are kept securely isolated or are properly muzzled for a sufficient time to cover the period of incubation, the disease is easily stamped out. It seems inexcusable, therefore, to allow the contagion to be propagated indefinitely, causing untold suffering to the affected animals and menacing the lives of persons, particularly children, who go upon the streets.

Rabies is worthy of the attention of the Federal authorities, not only because it has been so frequent at the seat of government, where Federal laws alone apply, but because rabid dogs are liable to be conveyed or to cross into the States of Maryland or Virginia, thus carrying the contagion.

Section 8 of the act of Congress approved May 29, 1884, makes it the duty of the Commissioners of the District of Columbia, "when-

ever any contagious, infectious, or communicable disease affecting domestic animals" shall be brought into or shall break out in the District, to take measures to suppress the same promptly and to prevent the same from spreading, and to report to the Secretary of Agriculture whatever they may do in pursuance of the provisions of this section. In order to cooperate with the District government in harmony with the spirit of section 3 of the act mentioned, all dogs suspected of having rabies have been received at the laboratory of this Bureau, and have been tested by post-mortem examination and by inoculation experiments to determine positively as to whether they were so diseased, and the health department has been advised of the result of the tests. Public notice was also given by the issuance of a Department order of the existence of rabies in the District, and prohibiting the movement of dogs between the District and the adjoining States, except under conditions which would prevent the spread of the contagion.

The Commissioners of the District ordered the muzzling of dogs for a time, but the order was so generally disregarded by dog owners, either by allowing dogs to run at large without any muzzle or by the use of inefficient and worthless muzzles, that the measure had no appreciable effect upon the progress of the outbreak. There was increased activity on the part of the authorities in catching and destroying unlicensed dogs, which unquestionably had considerable effect in limiting the extension of the contagion. New cases of the disease, however, continue to develop, and the contagion still exists, menacing human life and threatening the animals of the District and of surrounding States.

As rabies is a disease which can be best controlled by local authorities, since such authorities already have the machinery for seizing dogs and for properly disposing of them, it has not been deemed advisable for the Bureau to take any active steps for the suppression of this outbreak. Nevertheless, it is plain that unless the disease soon disappears of itself it will be the duty of the Bureau to take adequate steps to protect the several States from the contagion which is being harbored in the District. There have been cases of rabies already reported just beyond the District boundary, which presumably were due to extension of the contagion from the District.

The number of children bitten by rabid animals is sufficient to excite the fears of all parents, and should be an adequate reason for the most stringent measures of eradication. It is fortunate that the Pasteur treatment has been available, and that nearly or quite all of the bitten persons have taken it, otherwise it is likely that in this number there would have been several deaths. This treatment, however, is expensive, it is painful, it requires time, and it is not infallible, although it has reduced the deaths among bitten persons to 0.5 per cent, or 1 in 200. The children bitten have usually been those of people in moderate circumstances, and the cost of treatment has been a serious burden and hardship to them.

A disease of this nature is one from which the people rightfully expect protection from their Government. It is a danger which they can not avoid by individual effort. It menaces their most cherished possessions—their children. It is a disease so terrible in its manifestations, so frightful in the suffering which it causes, that no child should be unnecessarily exposed to it, and no parent should be placed in the position of seeing his child die in agonies that would haunt his memory for all time.

In view of the practically continuous existence of the rabies contagion in the District of Columbia for the past three years, I would recommend either that Congress authorize the Secretary of Agriculture to pay out of the appropriation for the Bureau of Animal Industry for the treatment of bitten children whose parents would be burdened by such expense, or that the Surgeon-General of the Army or the Marine-Hospital Service be directed to establish an institution for such treatment and to administer the same without charge.

The following table shows in detail the number of animals proven by inoculation experiments to have been rabid:

Animals proven by inoculation experiments to have been rabid, and persons bitten, fiscal year July 1, 1899, to June 30, 1900.

Date.	Record number of dogs.	Animals other than dogs.	Persons bitten.
August 30, 1899	52		
October 27, 1899	53		2 children.
October 30, 1899	54		2 men.
November 2, 1899	55		
November 4, 1899	56		1 man.
November 13, 1899	57		
November 15, 1899	58		
November 29, 1899	59		
December 4, 1899		1 cow	
December 9, 1899	61		1 child.
Do	62		Do
December 18, 1899	64		
Do	66		1 boy.
December 19, 1899	68		2 children.
December 20, 1899		1 cat	2 boys.
December 21, 1899	70		
December 28, 1899	71		
January 6, 1900	74		
January 10, 1900	75		
January 16, 1900	76		1 girl.
January 26, 1900	78		
January 30, 1900	79		
February 5, 1900	80		
February 6, 1900	81		1 boy.
February 12, 1900	83		
February 13, 1900	84		
February 17, 1900	85		
February 21, 1900	86		
March 9, 1900		2 cows	
March 15, 1900	90		
March 21, 1900	91		
March 29, 1900	92		2 children.
March 31, 1900	93		
April 5, 1900	94		
April 7, 1900		1 cow	
April 12, 1900	97		
April 17, 1900	98		
Do	99		
April 23, 1900	100		Susan Findley and another child. ¹
April 28, 1900	103		1 man and 1 child.
May 10, 1900	105		
May 11, 1900	106		
May 15, 1900	107		
May 23, 1900	111		
May 28, 1900	114		
May 29, 1900	115		1 man.
June 6, 1900		1 horse	
June 12, 1900	118		
Do	119		
June 28, 1900	120		1 child.

¹ These children were bitten by a District dog diagnosed by inoculation experiment in Baltimore as rabid.

THE PREVENTION OF TUBERCULOSIS.

Since the discovery of the diagnostic value of tuberculin in bovine tuberculosis in 1891, there have been many official tests made in the United States to ascertain the extent to which the disease exists and

to diminish the number of affected animals. While numerous herds have been found diseased to a remarkable and even alarming extent, the consensus of opinion is that, considering all the cattle in a State, not over 5 per cent of the animals would react to the test even in our dairy sections, and not half of 1 per cent of the cattle killed under the Bureau inspection is found tuberculous. In certain districts, however, the disease is much more frequent, and the astonishing degree to which it may develop in a herd before its presence is discovered by the owner, and much less by others, has led to a demand for investigation and for repressive measures.

A considerable number of States have laws and regulations made for the purpose of preventing the introduction of tuberculous cattle from other States or foreign countries. While these differ much in detail, the general plan is to require that cattle introduced for breeding or dairy purposes be tested with tuberculin and their healthfulness certified by the authorities of the States from which they originate, or, failing in this, by the authorities of the State where they are destined to remain. The weak points in this system are, first, that many States from which cattle are shipped have no officials to make the tests and none with authority to issue certificates; second, that very few of the receiving States have a sufficient veterinary force to make the required test; and, third, that the numerous and varied requirements of the several States are confusing to shippers, difficult to comply with, and a serious burden to interstate commerce. The situation is not unlike that which existed fifteen years ago, when nearly every State had a quarantine against the cattle of every other State to guard against the introduction of contagious pleuro-pneumonia.

This Bureau has endeavored to assist the individual States in guarding against infection from other States and from foreign countries, as contemplated by its organic act. Notice has been given that it is a violation of the Federal statutes to ship animals affected with tuberculosis from one State to another. Cattle imported from Canada for breeding or dairy purposes are required to be accompanied by a certificate of healthfulness shown by a tuberculin test made by an official veterinary surgeon, while those from other countries which pass through the quarantine stations are tested during the period of detention.

The certificates of tests made in the country of origin have frequently been unsatisfactory, and it has been determined to make immediate arrangements to have imported cattle tested by officials of this Government. It is thought that the cattle from Great Britain may be tested before they leave that country, and the importers thus saved from the loss which is inevitable if they are tested here.

The effort to control tuberculosis is a most reasonable and proper one, and if conservatively directed should receive the support of every friend of the cattle industry. Not only is tuberculosis one of the worst scourges of the bovine race, attacking as high as 90 per cent of the animals in individual herds, but its existence is believed by the best sanitary authorities to be a serious menace to the health of the consumers of meat and dairy products. It is therefore a disease to be dreaded, not only because of the value of the cattle which it injures or destroys, but because it threatens mankind with an incurable and fatal infection. The individual States, therefore, have good reason for desiring to stop the importation of the tuberculosis contagion and for adopting measures intended to lessen or control the disease within their own territory.

Tuberculosis, unfortunately, is not confined to cattle, but also affects swine, and in these animals is more acute and more likely to involve the edible portions of the carcass. There is good reason to believe that the disease is becoming more frequent with swine, probably on account of feeding the mixed milk returned from creameries. A single tuberculous herd of cows might in this manner infect the greater part of the swine in a considerable district. While this method of propagating the disease could be easily guarded against by sterilizing the milk, it appears that this simple precaution is usually neglected.

The herds of the United States are far less seriously affected with tuberculosis than are those of European countries, notwithstanding the fact that none of our States feel able to adopt and enforce systematic and thorough measures for the immediate control of this disease. The proportion of animals affected in Europe indicates both the danger which threatens our herds, if the disease is allowed to progress here, and the importance of thorough measures to prevent the introduction of diseased breeding stock from abroad.

Recent figures from reliable sources show that of 4,256 cattle tested in Moravia, Austria, 1,553, or 36.48 per cent, were tuberculous. The slaughterhouse statistics of Amsterdam show an increase in the percentage of tuberculosis among adult cattle from 1.76 in 1888 to 13 in 1898. In France, according to Nocard and Leclainche, Champagne, Lorraine, and Brie are highly infected, the number of tuberculous cows in some regions reaching 15 to 20 per cent; veterinarians estimate that the proportion of tuberculous cows in Beauce exceeds 25 per cent; in Brittany and Nivernais the disease is making frightful progress; in the Hautes Vosges 30 to 40 per cent of the milch cows are said to be tuberculous, while in the southeast the proportion is greater still, and in certain valleys of the Pyrenees exceeds 50 per cent. In Denmark, of 67,263 cattle tested from 1896 to 1898, 32.8 per cent were found tuberculous. In Belgium 48.88 per cent of cattle reacted out of a total of 20,850 head tested. Recent slaughterhouse statistics from Germany show that the cattle slaughtered are affected with tuberculosis as follows: At Berlin (1897), 20.63 per cent; Magdeburg (1897), 24.1 per cent; Bromberg (1896), 27.6 per cent; Lubeck (1896), 33 per cent; Leipsic (1897), 36.4 per cent; Stolp (1898-99), 37.7 per cent, and in the whole of Saxony (1898), 30.46 per cent.

In Great Britain the investigations have not been so extensive as in some other countries, but, according to McFadyean, 15,392 head of cattle were tested during three years with tuberculin supplied by the Royal Veterinary College, and of these, 4,105, or 26 per cent, reacted. These animals were located in all parts of England, with a few in Ireland, Scotland, Wales, and the Channel Islands. Four veterinary surgeons tested 80 pure-bred shorthorns for export, and 34 of these, or 42 per cent, reacted.

These facts show the almost universal distribution and the serious extent to which tuberculosis prevails among the cattle of Europe. We might almost question the advisability of further importations from such badly diseased herds, but certainly, if importation is allowed, it should be under the strictest supervision and with the adoption of every precaution to prevent violation or evasion of the law which prohibits the importation of diseased animals.

There have been made and distributed during the year 33,400 doses of tuberculin, which were supplied to local authorities as a means of cooperation for the suppression of the disease. The greater part of

this was used by the States of Minnesota, Vermont, and Illinois, but a considerable quantity was sent to Michigan, Iowa, New Jersey, and California, and a small amount was supplied to the War Department, the Marine-Hospital Service, and to inspectors of the Bureau of Animal Industry for official use. The use of tuberculin as a means of discovering tuberculosis has been less extensive in the United States during the past year than in some previous years, owing, it appears, to a sentiment which has been created against it by those who oppose work for the suppression of this disease. The value of this agent has been thoroughly established by scientific investigation and practical use, and no well-informed veterinarian would at the present day undertake to conduct any effectual operations for eradicating this disease without its aid in selecting the affected animals. While, therefore, certain States may temporarily abandon the use of tuberculin, they are sure to return to its use when they seriously attempt to control the disease, since its aid is indispensable to intelligent and efficient action.

The Bureau has recently made a test of the herd of cattle belonging to the Government Asylum for the Insane, at St. Elizabeth, District of Columbia, which serves as an additional illustration of the great value of tuberculin. The presence of tuberculosis in this herd was revealed accidentally. A number of the dry cows were running in a field where they were undoubtedly bitten by a rabid dog, as 18 of them died of rabies in the course of two weeks. In making the post-mortem examination to discover the cause of death at least 12 of them were found extensively affected with tuberculosis. This led to the entire herd being tested with tuberculin by the pathological division of this Bureau. Of the 102 animals tested, 79 gave a decided reaction, making the proportion of animals affected more than 77 per cent. As 13 of the 23 animals which did not react had but recently been purchased from a farm in Virginia, it will be seen that more than 90 per cent of the old herd reacted to the test.

Advantage has been taken of this opportunity to test the ineffectiveness of milk from cows which have reacted to the tuberculin test, but which on physical examination are apparently healthy. A large number of feeding and inoculation experiments are in progress, in which about 700 experimental animals are being used. The results, which will be of great value from a sanitary point of view, will be submitted for publication as soon as the experiments are completed.

GENERAL PATHOLOGICAL INVESTIGATIONS.

During March and April a highly fatal disease appeared among the cattle belonging to the Government Asylum for the Insane, at St. Elizabeth, District of Columbia. Six or seven dry cows died in the course of two days, exhibiting symptoms of gastro-enteritis with cerebral complications. A number of other cows became similarly affected, and in the course of two weeks from the beginning of the outbreak 18 animals had died, when the disease suddenly stopped.

A careful investigation in connection with the history of the presence of a supposedly mad dog among the cattle of the affected herd suggested that the disease might be rabies. This diagnosis was subsequently proven correct by animal inoculations, and a report is now being prepared covering this investigation.

This disease has been found to be quite prevalent in the United States, but owing to its very chronic course the pathological altera-

tions seldom reach such an extent as to cause death or even to cause the rejection of the carcasses on post-mortem examination. The disease has been observed in Europe, South America, and Australia, and is due to a specific bacillus first described by Preisz in 1891. The results of the investigations made by this division are published in the Sixteenth Annual Report of the Bureau.

An outbreak of this disease occurred on a farm in Maryland about 16 miles east of Washington. The principal symptoms consisted in the formation of thick, warty scabs on the lips and around the nostrils, and spreading to a greater or less extent up toward the eyes, sometimes involving the lids and causing severe conjunctivitis. Out of a flock of 142 ewes, 45 head were affected. The disease yields readily to treatment. Abundant material was preserved for an investigation as to the specific cause of the lesions, and this work will be taken up as soon as possible.

This investigation was based upon material sent to the division by Drs. Ackerson and Klopfenstein, of Manchester, Mich., for diagnosis. It consisted of a bottle of blood obtained immediately after death from one of the affected animals, and was accompanied by post-mortem notes which suggested that the disease in question might possibly be anthrax. An examination of cover-glass preparations made from the blood showed it to contain, in apparently pure cultures, a short spore-bearing bacillus, which morphologically differed from any of the common spore-bearing pathogenic bacteria. The possibility of the disease being braxy, or bradsot, a fatal infectious sheep disease common in Norway and Scotland, at once suggested itself. That this supposition was correct has since been fully demonstrated, and a paper on this subject is now being prepared for publication.

Two outbreaks of this disease were reported during the fiscal year and specimens forwarded to the division for examination. A short motile aerobic bacillus was isolated from the deeper part of the lesions, which, on injection on smaller experiment animals, produced similar lesions. Inoculations on sheep and calves failed to give positive results. The investigation will be continued as soon as fresh material can be obtained.

This investigation has embraced only the treatment of a single flock of sheep, consisting of 89 head, the majority of which showed unmistakable symptoms of bronchial and intestinal helminthiasis. The results, which were very encouraging, will be referred to the zoological division for publication, as the pressure of work in the pathological division has not allowed of the continuation of this investigation.

It appears that this disease is constantly spreading among the dairy herds of the United States, and numerous outbreaks have been reported during the past fiscal year. In each case the method of sanitation and prevention suggested by Professor Bang, of Denmark, has been recommended, but sufficient time has not yet elapsed to allow of any conclusions being drawn from the results obtained. The disease is caused by a specific bacillus, pure cultures of which have been obtained from an outbreak among the cattle at St. Elizabeth, District of Columbia. The disease is highly interesting; and as the possibility of finding a vaccine or preventive serum for this disease has been suggested by Professor Bang, the further investigation of the specific bacillus will be continued in the pathological division.

A great number of pathological specimens have been referred to the division for diagnosis. These have been received from members of

the meat inspection force of the Bureau of Animal Industry, from various State sanitary officials, from practicing veterinarians, or from private parties. In each case a histological and bacteriological examination has been made and the inquirer informed of the results.

WORK OF THE EXPERIMENT STATION OF THE BUREAU.

The experiment station has cooperated with the other divisions in their experimental investigations, by which it has been conclusively determined that the best animals to use for the production of hog cholera and swine plague antitoxic serum are cattle, mainly because of their considerable immunity from inflammatory processes of the kind which are produced in other animals when the cultures of living hog cholera and swine plague germs are injected under the skin. The serum obtained from horses, mules, and donkeys is fully as potent as that from cattle, but can be produced only at a much greater cost.

The antitoxine animals during the year supplied about 1,500,000 cubic centimeters of blood, which was delivered to the biochemic laboratory, where the serum was collected and prepared for distribution.

A serum for the prevention of the disease known as tetanus, or lockjaw, is being prepared and will soon be ready for use. The exercise of the greatest care does not prevent an occasional outbreak of tetanus among antitoxine animals unless measures are taken to make the animals immune from the affection. A perfectly satisfactory immunity is produced by periodic injections of tetanus antitoxic serum.

TEXAS FEVER.

The work on Texas fever has been of two kinds: First, that directly concerning the disease, and, second, that concerning the destruction of the Southern cattle tick.

In a previous year a number of cattle ticks (*Boophilus bovis*) were received from Porto Rico and tested as to their infectious character. Two Northern cattle were exposed to them, and seemingly escaped having an attack of Texas fever. During the year just ended two cows and a calf were received from Porto Rico. Blood was drawn from the jugular veins of the cows and injected under the skin of two Northern cows susceptible to Texas fever. The result was that the two Northern cows became affected with the disease. One died and the other is now making a slow recovery. This shows conclusively that Texas fever exists in the island of Porto Rico, and very probably in other portions of the West Indies.

The two cattle which were exposed in a previous year to ticks received from Porto Rico, seemingly without suffering an attack of Texas fever, were turned into a field during the year just ended with several other cattle and infected with noninfectious ticks. When the noninfectious ticks had matured and dropped to the ground, and eggs had been produced and hatched, and the new crop of young ticks began to appear on the cattle, several cases of fatal Texas fever developed. The two animals previously exposed to Porto Rican ticks remained unaffected. From this we may draw two conclusions: First, that the cattle exposed to Porto Rican ticks suffered an attack of Texas fever too mild to be diagnosed as the result of the exposure, and, second, that the mild disease was sufficient to produce such changes in their blood that they were capable later on of reinfecting noninfectious ticks with an infection sufficiently virulent to cause

fatal Texas fever. The ticks referred to as Porto Rican ticks are identical with the well-known Southern cattle tick. A further report on this subject will be presented at another time.

A number of other experiments concerning Texas fever were planned for the year, but could not be made because of the lack of space and time at the station.

The Southern cattle tick dip question remains without a wholly satisfactory solution. Many dips were tested during the year and were found to be unsatisfactory. The dips either do not kill the ticks or affect the cattle too severely to be of practical value. The ticks show a wonderful resistance to adverse conditions which is entirely out of proportion with their small size. Among the dips tested the best results were obtained from the so-called Australian dip, which has the following formula:

Stockholm tar.....	gallons..	7½
Carbonate of soda.....	pounds..	23
White arsenic.....	do.....	8
Water sufficient to make 400 gallons.		

This dip is objectionable because of the arsenic which it contains and because it is necessary to dip an animal twice before all the ticks are killed. From the first dipping the cattle do not seem to suffer much, but as a result of the second dipping it has been frequently noticed that they refuse food for several days, act generally depressed, and have a more or less severe diarrhea. The same dip without arsenic at one trial gave very encouraging results, but when tried again, prepared with tar from another barrel, it proved to be almost without effect on the ticks.

A number of modifications of the Australian dip have also been tried, such as an increase in the amount of tar, the substitution of North Carolina tar for Stockholm tar, the substitution of other alkalies for the carbonate of soda, the addition of soap, etc. No better results were obtained. The addition of soap to the Australian dip containing arsenic killed practically all the ticks, but also killed two of the three cattle dipped. Dips containing as the main ingredients carbolic acid, tobacco extract, oil, sodium sulphate, glycerin, lime, and sulphur, and numerous other substances, either singly or in combination, have been tried and found to be unsatisfactory. This work is still in progress and will be continued. Possibly something may be done by combining a dip with a drench containing substances which will act on the tick through the secretions of the skin of the cattle.

WORK OF THE DAIRY DIVISION.

The general survey of the condition of the dairy industry of the United States, begun upon the organization of the dairy division, has been continued, and special inquiries have been made along lines such as the milk supply of cities and towns and the development of foreign markets for butter. Some reports have been issued and others are nearing completion.

The routine work of the office, including preparation of manuscripts for publication and replying to the requests for specific information from many correspondents, is constantly increasing. The publications of the division during the year number 5, comprising in all 183 pages. One was issued as a bulletin, one as a circular, one as a paper in the last Yearbook of the Department, and two as papers in the Fifteenth Annual Report of the Bureau. Correspondence on all subjects con-

nected with dairying is sometimes so heavy as to greatly retard the other important work with which the office is charged. Some inquiries have recently been received concerning the dairy possibilities in the islands which have lately come under the control of this country.

During the year a detailed report was prepared upon the series of experimental shipments of dairy products to European markets which were made under special authority given in the acts of Congress making annual appropriations for this Department.

In the latter part of the year experimental shipments to Europe were again inaugurated, special efforts being made in connection with the Department exhibit at the Paris Exposition to show the high quality of our dairy products.

A number of experimental shipments of butter, cheese, and cream have also been forwarded to trans-Pacific points, which had been visited and selected by a special agent of the Department. On account of the great distance and the failure of some of the consignees to at first fully understand the purposes of the Department's efforts, it is not yet possible to make a report upon these shipments.

The chief and assistant chief of the division have visited dairy centers in fifteen different States and attended the annual meetings of State dairy associations and similar bodies in ten of these States. It has thus been possible to meet and consult with many persons actively engaged in the dairy industry in different parts of the country and to learn their needs, and personal relations have been established which will be of material benefit in future work. No special agents for representing the Department at important dairy meetings which the officers of the division could not attend were employed during the past year, as had been the practice during previous years.

Arrangements were made in the dairy division for the United States exhibit of animal industries at the Paris Exposition. The chief of the division took personal charge of the preparation of the various exhibits, which were planned to show by photographs, models, mechanical devices, raw materials, and finished products the development and present condition of the different branches of the live-stock industry.

The plan of the work of the dairy division for the fiscal year 1900-1901 includes a continuation of the different lines of work above reported.

Much valuable information concerning dairying in foreign countries has been received in the numerous reports from consuls, which were secured through the courtesy of the State Department, and it is proposed to prepare these reports for publication as soon as the more pressing work of the division permits.

Attention to the many details in connection with the experimental exports requires a large share of the time of the working force of the office. Shipments of butter to Cuba and Porto Rico have been begun. In these experiments we are confronted with problems quite similar to those met in the shipments from San Francisco to the Orient. The dairy products are forwarded to warm countries, shipment has to be made without refrigeration, and cold storage is not available at the points of destination. It is necessary, therefore, to send butter, and perhaps cheese, as well as condensed milk and cream, in hermetically sealed packages, which afford the best means known of preserving such perishable products. It is hoped to obtain information useful to butter exporters in connection with the most important subjects of canning butter and producing butter which has a hard body that will

stand up better than even much of the high-grade butter marketed in this country. Experiments are now in progress at some of the State stations to determine the causes affecting the body of butter, and the results of these are awaited with interest by all who are engaged in foreign trade. Some countries sending butter in cans to these new markets supply a product with a very high melting point, showing in this, as in other ways, a disposition to adapt their products to the needs of these countries, an example our producers must follow if they are to compete successfully in these markets. The experimental shipments of the dairy division will be directed to showing our producers what needs to be done.

It is proposed to ascertain the prospects for trade in dairy products in the South American countries besides those already named.

Reports from the Paris Exposition show that the products of American dairies, creameries, and cheese factories have won a large number of high honors. A detailed report upon the dairy features of the exposition will be made later by the chief of the division.

The dairy division is arranging to make a suitable exhibit at the Pan-American Exposition in Buffalo. It will be in the nature of an object lesson, illustrating the wonderful development of this branch of agriculture.

It is considered extremely desirable that the existing system of Government inspection and certification of meats and meat products for export be extended by additional legislation so as to include butter, cheese, and condensed milk and cream for export from the United States. Reasons for such legislation have been stated in previous reports, and they apply now even more forcefully than when first given. Briefly, a few of the arguments for such new legislation are as follows:

Foreign buyers of dairy products have so often been deceived by misleading and sometimes false statements, claiming that shipments of dairy products are high grade when really they are inferior, or in part inferior, that many of them suspect all products exported from this country and avoid them whenever it is possible to supply their needs elsewhere. In this way we have recently lost a fine market in Great Britain for our cheese.

The Department has expended much labor and money to establish a reputation abroad for American dairy products, and already the good results accomplished are being counteracted by the shipment of inferior goods which are claimed to be of high quality. After the buyers on the other side have been defrauded a few times by such shipments they will be unwilling to deal with us when it can be avoided.

Other countries have developed large foreign trade in their dairy products, and it is well known that one of the principal reasons for their rapid advance in the largest markets of the world is the fact that their best products are marked with a government stamp, showing conclusively that the article is as represented.

The proposition to inspect dairy products for export has been indorsed by nearly all of the large conventions of representative dairymen in this country, and it has the decided approval of commercial bodies and individual exporters. So far as this office is aware, no objection to it has been made.

Legislation by which the Department shall be given supervision of oleomargarine and filled cheese when offered for export, and perhaps, also, of the movement of these commodities in interstate commerce

after having been taxed and stamped under the regulations of the Treasury Department, seems advisable. These are food products, mainly of animal origin, and the duty of seeing that they maintain their true character when entering interstate and foreign commerce may properly be placed upon this Department. It is easily understood that the spirit of the oleomargarine and filled-cheese laws requires something more than their administration simply as revenue measures; and it is evident that the interests of consumers and producers of pure dairy products and their imitations, and of honest dealers in all, would be greatly conserved by giving the Department authority to prevent one from being substituted for the other, and to compel all to be sold under their true names and free from deception on the part of those who handle them.

The following statement shows the amount of the disbursements made for the various branches of the work for the fiscal year:

Statement of disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1900.

	Salaries.	Traveling expenses.	Miscellaneous.	Total.
Meat inspection	\$474,154.35	\$1,560.17	\$30,141.89	\$505,856.41
Microscopic inspection	147,162.80	146.14	7,219.99	154,528.93
Export cattle inspection	62,613.47	995.40	3,406.63	67,015.50
Import cattle inspection	10,694.90	2,138.60	246.90	13,080.40
Contagious diseases inspection	30,115.37	7,752.71	1,292.08	39,160.16
Purchase of experiment station			20,000.00	20,000.00
Washington and miscellaneous	9,086.30	1,960.86	6,994.25	18,041.41
Scientific investigations	8,059.43	2,823.59	7,746.19	18,629.21
Dairy division	380.10	961.17	4,938.99	6,280.26
Experiment station, Bethesda, Md	9,843.45	41.99	7,632.06	17,517.50
Hog-cholera serum experiments	14,276.19	3,920.98	9,450.74	27,647.91
Experiments in animal nutrition	2,140.00	15.25	2,564.76	4,720.01
Collecting information	803.25	330.99		1,134.24
Total	769,329.61	22,647.85	101,634.48	893,611.94

Accompanying this statement will be found a list of the names of the persons employed and an itemized statement of expenditures from the amount appropriated.

List of persons employed and disbursements made during the fiscal year ended June 30, 1900.

STATUTORY SALARIES, BUREAU OF ANIMAL INDUSTRY.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
WASHINGTON, D. C.									
D. E. Salmon	Chief of bureau	July 1, 1896			\$4,000				
A. D. Melvin	Assistant chief of bureau	Jan. 1, 1899			2,500				
S. R. Burch	Chief clerk	Jan. 1, 1897			2,000				
A. M. Farrington	Chief inspection division	Jan. 1, 1899			2,500				
E. B. Jones	Assistant chief inspection division.	Aug. 16, 1895			1,800				
H. E. Alvord	Chief dairy division.	July 1, 1895			2,500				
R. A. Pearson	Assistant chief dairy division.	Sept. 1, 1895			1,800				
V. A. Nörsgaard	Chief pathological division.	July 1, 1899			2,500				
McP. Reynolds	Assistant, pathological division.	do			1,200				
Louise Taylor	do	Oct. 16, 1897			1,200				
Thomas B. Reamy	do	July 1, 1893			840				
E. A. de Schweinitz	Chief biochemic division.	July 1, 1899			2,500				
C. O. Goodpasture	Assistant, biochemic division.	Feb. 15, 1900			1,400				
James M. Pickens	do	May 1, 1899			1,400				
James A. Emery	do	Aug. 1, 1895			1,200				
Irving Frickey	do	July 1, 1898			1,200				
George M. Ruffin	do	Jan. 1, 1900			720				
W. S. Stamper	do	July 1, 1896			720				
T. A. Geddes	Chief miscellaneous division	Jan. 1, 1899			2,000				
Ch. Wardell Stiles	Zoologist	Jan. 1, 1900			2,250				
Chas. F. Dawson	Veterinary inspector	Nov. 1, 1896		Feb. 28, 1900	1,800				
Albert Hassall	do	July 1, 1899			1,600				
Marion Dorset	do	July 1, 1898			1,400				
Do	Assistant, biochemic division	Jan. 1, 1900			1,400				
John R. Mohler	Veterinary inspector	July 1, 1899			1,400				
Do	do	June 1, 1900			1,800				
Frank T. Shannon	do	Jan. 1, 1900			1,400				
E. C. Schroeder	Superintendent experiment station.	July 1, 1894			1,800				
W. E. Cotton	Assistant, experiment station.	Sept. 1, 1895			1,000				
George F. Thompson.	Editorial clerk	July 1, 1899			1,800				
H. H. Gerdes	Clerk	Apr. 1, 1897			1,800				

A. J. Olin	do	do	July 1, 1898	1,600
F. N. Gregory	do	do	do	1,400
Evelyn Lyons	do	do	do	1,400
Mary Sullivan	do	do	do	1,400
Joseph Abel	do	do	Apr. 1, 1897	1,200
Mary T. Dent	do	do	July 1, 1896	1,200
I. C. I. Evans	do	do	Mar. 1, 1893	1,200
Martha H. Mahon	do	do	Nov. 1, 1896	1,200
Mary G. Marshall	do	do	Apr. 1, 1897	1,200
A. M. Winfield	do	do	July 1, 1897	1,200
Mary N. Barnard	do	do	Feb. 15, 1900	1,200
Mary E. Fagan	do	do	July 1, 1890	1,000
Juliet B. Graham	do	do	Sept. 21, 1897	1,000
Juliet G. Town	do	do	July 1, 1898	1,000
Nellie F. Haughton	do	do	Aug. 9, 1893	1,000
M. C. Montgomery	do	do	July 1, 1898	1,000
Claude F. Morris	do	do	do	1,000
Benj. G. Wasdon	do	do	July 1, 1899	1,000
Arthur H. Bailey	do	do	Jan. 4, 1897	840
Stuart H. Beckley	do	do	Aug. 15, 1899	840
W. R. Brandenberg	do	do	Nov. 13, 1899	840
Charles C. Carroll	do	do	May 1, 1900	840
Do	do	do	July 20, 1899	840
Anna C. Crain	do	do	Apr. 1, 1900	1,000
Wm. Emerson	do	do	June 29, 1899	840
Frank R. Fravel	do	do	Aug. 1, 1899	840
Juliet King	do	do	Feb. 1, 1900	840
B. C. Oberly	do	do	June 29, 1899	840
George I. Hall	Fireman	do	Dec. 3, 1899	840
H. S. Mott	do	do	Jan. 1, 1896	720
Asa N. Kite	do	do	Mar. 15, 1895	720
Edward J. Maloy	Messenger	do	July 1, 1896	720
Wm. H. Moor	do	do	Nov. 1, 1896	720
Wm. P. Stedman	do	do	Oct. 23, 1896	720
Lena B. Goetz	do	do	July 1, 1896	720
Geo. W. Sheerer	Skilled laborer	do	do	660
Wm. S. D. Haines	do	do	Jan. 16, 1898	660
Sarah I. Proctor	Artist	do	July 1, 1896	1,400
Emily J. Wilde	Artist and draftsman	do	Apr. 1, 1900	840
Wm. C. Shimoneck	Laborer	do	July 1, 1897	720
L. Wm. Thavis	do	do	Apr. 3, 1897	720
Jennie Jones	do	do	July 1, 1898	720
Louise Douglas	do	do	July 1, 1896	400
Ida E. Hendley	Charwoman	do	Oct. 1, 1897	480
Cath. Baltimore	do	do	Feb. 1, 1899	480
Kate Wasson	do	do	May 6, 1895	240
			1,840.00	

1 Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per an- num.	Miscellaneous items.	Salaries.	Travel- ing.	Miscol- laneous.
WASHINGTON, D. C.									
Ulysses G. Houck	Inspector	Mar. 10, 1899			\$1,400		\$1,102.03		
Louise Breedin	Clerk	July 1, 1898			1,400		1,400.00		
C. O. Goodpasture	do	Jan. 1, 1899			1,200		778.93		
Do	do	Jan. 1, 1900			1,400				
A. M. Winfield	do	Jan. 1, 1899			1,200		753.30		
R. E. L. Thompson	Carpenter	Nov. 1, 1898			900		900.00		
Frank R. Fravel	Trapper	Oct. 1, 1895			720		122.60		
Do	Clerk	Feb. 1, 1900			840				
S. L. Carpenter	Laborer	Apr. 1, 1898	Feb. 16, 1900		600		376.70		
John H. Gaskins	do	May 1, 1898			600		600.00		
Paul A. Hines	do	Aug. 1, 1898			240		99.30		
Martha Barrett	do	Feb. 1, 1900			240		99.30		
Belle Meek	do	do					250.00		
Frank Snyder	do	Apr. 26, 1897			1,550.00		50.00		
R. G. Steadman	do	June 1, 1900			150.00				
Ralph Stewers	do	Dec. 1, 1898			160.00				
Do	do	Sept. 1, 1899	Oct. 21, 1899		150.00		200.65		
L. Stewers	do	Oct. 23, 1899			140.00		414.52		
Lida Anderson	do	May 1, 1899			150.00		500.00		
Do	do	Nov. 1, 1899			160.00				
Henry Earp	do	Apr. 1, 1900			140.00		40.00		
John J. Tobin	do	Mar. 1, 1899	Aug. 1, 1899		2.00		9.00		
Benj. McKnew	do	Mar. 23, 1900	June 23, 1900		2.50		3.75		
W. J. Rabbitt	do	do	do		2.50		3.75		
A. H. Hollidge	do	do	do		2.50		136.50		
Aug. L. Dahler	do	Mar. 17, 1900			2.50		9.00		
Oscar A. Phillips	do	May 5, 1900			2.50		276.00		
George S. Waldo	Assistant messenger	Dec. 21, 1898	Jan. 1, 1900		140.00		160.00		
A. F. E. Silliman	Telegraph and telephone operator.	Sept. 19, 1899	Oct. 21, 1899		100.00		110.97		
Traveling expenses.									
D. E. Salmon	do							\$212.42	
S. R. Burch	do							127.00	
A. D. Melvin	do							52.53	
U. G. Houck	do							909.34	
C. F. Morris	do							15.35	
F. L. Evans	do							21.85	
Toole A. Goddard	do							2.75	
W. C. Pennywitt	do							3.35	\$1.85

Pennsylvania R. R. Co.						Transportation, Melvin, Burch, et al.	151.70
The Mo. Pacific Ry. Co.						Transportation, Morris and Houck.	66.28
Terre H. and Ind. R. R. Co.						Transportation, U. G. Houck	7.50
Chic., Mil. and St. P. Ry. Co.						do	5.10
N. Y. C. and H. R. R. Co.						do	38.25
Burl. and Mo. R. R. R. in Nebraska.						do	8.70
Chic. and No. W. Ry. Co.						do	15.65
Fre., Elk. and Mo. Val. R. R.						do	1.57
Kans. C., St. Jo. and C. B. R. R.						do	.85
Allegheny Val. Ry. Co.						do	13.80
Louis. and Nash. R. R. Co.						do	19.00
Chic. and Alton R. R. Co.						do	15.75
Dav., R. I. and N. W. Ry. Co.						do	4.92
Boston and Albany R. R.						do	2.49
Chic., R. I. and Pac. Ry. Co.						do	20.99
Del., Lack. and West. R. R.						do	12.30
N. Y., N. H. and H. R. R. Co.						do	13.25
Erie R. R. Co.						do	4.00
Clev., Cin., Chic. and St. L. Ry.						do	22.75
The Chic. and Gd. Trunk Ry.						do	14.60
Lk. Sh. and Mich. So. Ry.						do	18.25
Chic., Indpls. and Louis. Ry. Co.						do	8.00
The Wabash R. R. Co.						Transportation, D. E. Salmon and U. G. Houck.	33.95
Pitts., Cin., Chic. and St. L. Ry.						Transportation, U. G. Houck.	5.00
Atch., Top. and S. Fe. Ry. Co.						do	6.62
The Chic., Burl. and Q. R. R. Co.						do	4.05
Chic., St. P., Min. and Om. Ry. Co.						do	12.70
The Ches. and Ohio Ry. Co.						Transportation, T. A. Geddes.	27.00
John C. Parker						Stationery	580.37
George E. Howard						Paintings and drawings	720.00
Library Bureau						Index cards and guides	340.20
Geo. A. Shehan						Lumber	244.22
The Chesapeake and Potomac Telephone Co.						Telephone rental	66.10
Z. D. Gilman						Labels and paste	9.60
United States Envelope Co.						Printed envelopes	295.49
Rudolph, West & Co.						Hardware	88.07

² Per day.

¹ Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Travelling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.		
WASHINGTON, D. C.—cont'd.									
D. Frank Parker.....						Typewriter paper and brushes.....			\$185.80
Capital Traction Co.....						Street-car tickets.....			30.00
M. Du Perow.....						Telephones, cable, and wire.....			854.96
John Clay, jr.....						Manuscript for Yearbook.....			170.00
American Arithmometer Co.....						Arithmometer.....			375.00
E. Morrison Paper Co.....						Rubber bands, pens, etc.....			139.02
C. S. Braisted.....						Penholders and pencils.....			46.23
Western Electric Co.....						Insulators.....			2.60
The Geo. W. Knox Express Co.....						Expressage.....			1.28
Adams Express Co.....						do.....			338.51
United States Express Co.....						do.....			51.21
Wm. L. Ticknor.....						Legal and letter paper.....			249.79
J. R. Dodge.....						Manuscript for bulletin.....			600.00
Wagner Typewriter Co.....						Typewriters and furnishings.....			872.50
Wyckoff, Seamans & Benedict.....						Adjusting typewriters.....			16.03
Carter, Rice & Co., Corporation.....						Carbon paper.....			16.80
Chadwick Copying Book Co.....						Copying books.....			90.00
Easton & Rupp.....						Scrapbooks, mullage, etc.....			70.30
Seth Thomas Clock Co.....						Eight-day clock.....			7.25
Western Union Telegraph Co.....						Telegrams.....			88.82
W. B. Moses & Sons.....						Mating, shades, and repairing.....			57.00
James B. Lambie.....						Hardware.....			74.57
J. W. Wilson.....						Messenger work.....			1.60
Thos. W. Smith.....						Lumber.....			11.76
R. Carter Ballantyne.....						Pens, labels, and envelopes.....			43.54
The Photo. Inst. Co.....						Gold pen.....			1.50
Geo. F. Muth & Co.....						Sash glass.....			2.80
R. F. Clark Co.....						Towels.....			19.80
The Scovill & Adams Co. of New York.....						Camera and plate holders.....			65.70
The Maurice Joyce Engraving Co.....						Autograph signature.....			.50

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.
SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
SCIENTIFIC INVESTIGATIONS—continued.									
V. A. Nörgaard						Traveling and miscellaneous expenses.		\$477.03	\$46.82
John E. Mohler						Traveling expenses		106.80	
Frank T. Shannon						do		34.40	
Pennsylvania R. R. Co.						Transportation, Nörgaard et al.		96.95	
International Navigation Co.						Transportation, de Schweinitz.		390.00	
The C. R. I. & Pac. Ry.						Transportation, Stiles		2.02	
Balto. & Ohio R. R. Co.						do		24.80	
The Colo. & So. Ry. Co.						do		38.05	
Denver & Rio G. R. R. Co.						do		2.50	
The Atch., Top. & S. Fe Ry.						do		8.10	
Chic., Bur. & Q. R. R.						do		4.36	
Fre., Elk. & Mo. Val. R. R.						do		11.72	
So. Pacific Co.						Transportation, Shannon.		77.75	
Chic., St. P., M. & Om. Ry.						Transportation, de Schweinitz.		11.40	
J. Harrison Johnson						Rent of laboratory			1,200.00
W. B. Moses & Sons						Desks, chairs, cases, and rugs.			482.12
Z. D. Gilman						Thermometers, flasks, tubes, etc.			692.08
Bausch & Lomb Optical Co.						Microtome, funnels, bottles, etc.			280.56
Depue & Co.						White oats			72.60
National Electric Supply Co.						Electric supplies			9.08
E. F. Vermillion						Inspecting steam boilers			10.00
W. I. Brooke & Co.						Handcart			6.00
Rudolph, West & Co.						Saw, screws, and tacks			11.34
Mackall Bros.						Drugs and chemicals			800.17
Knickerbocker Ice Co.						Ice			136.43
Washington Gaslight Co.						Gas			188.58
U. S. Electric Lighting Co.						Electric current			71.97
Library Bureau						Index cards and guides			114.91
R. P. Clarke Co.						Towels and linen			17.91
F. P. May & Co.						Platform scale			14.00
The Okonite Co., Limited						Okonite wire			16.25

Lewis Oberwetter	Yearling calves	100.00
Thos. W. Smith	Lumber and capping	18.69
Western Electric Co	Insulators	1.29
M. Du Perow	Cables, tubes, boxes, and wire	256.46
Dufur & Co.	Animal cages	267.25
Hugh Reilly	Glass and glass cutlir	10.86
John T. Springmann & Son	Grate bars	15.12
The Chesapeake and Potomac Telephone Co.	Telephone rental	27.50
The Ashesons Paper Co	Repairing boiler	10.00
Arthur H. Thomas	Sterilizers, scales, and weights	102.50
Thos. Somerville & Sons	Valves, pipes, clamps, etc	122.38
Fred Hawley	Wooden boxes	22.05
Wilnot, Castle & Co	Arnold's sterilizer	27.50
James H. Abbott	Yearling calves	135.00
John C. Parker	Desks, cabinets, labels, etc	261.65
The J. L. Mott Iron Works.	Sink, faucets, and legs	28.16
Dulin, Martin & Co	Tin pans	1.50
Wyckoff, Seamans & Benedict	Repairing typewriters	19.45
Chas. B. Edmonston	Pans, coolers, and filters	56.83
James B. Lambie	Saws, vise, and drills	25.70
R. Carter Ballantyne	Baskets and labels	4.28
Edw. S. Schmid	Feed boxes, incubators, and rabbits	30.80
Queen & Co., Incorporated.	Reaction apparatus	1.29
W. W. Welch	Use of room and stable	15.75
H. E. McPherrin	Use of barn and lot	4.00
A. J. Marley	Cartage, rent, etc	33.00
The Geo. W. Knox Express Co.	Freight and drayage	8.49
Wm. Kraft	Objectives and condensers	160.10
Francis Miller	Glass	1.50
Hance Bros. & White	Drug mill	20.00
J. B. Colt & Co	Adjustable rheostat	7.00
E. Morrison Paper Co	Cardboard and paper	21.05
Emmer & Amend	Tubes, bottles, and lamps	83.04
M. V. Thompson	Yearling calves	73.00
C. W. Carper	do	20.00
Knox Alexander	do	21.50
J. L. Berry	do	45.00
Thomas Irwin	do	25.00
George N. Calhoon	Tetanus antitoxin	18.00
H. K. Mulford Co	Lumber	20.25
Geo. A. Shehan	Boxwood scale and wax	88.41
Fred A. Schmidt	Skylight	10.90
Warren M. Whyte	Pipe, pans, and distiller	20.00
Ernest Betz	Plastering and labor	183.25
Wm. H. Lacy	Hire horse and buggy	15.00
J. A. Cooper		45.00

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.
SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
SCIENTIFIC INVESTIGATIONS—continued.									
A. L. Webb & Sons, branch.						Barrel alcohol			\$23.06
W. H. Arneth						Reed collectors			6.00
S. P. Johnson						Typewriter			69.75
S. Herbert Moore						File cases and portfolios			21.00
Whitall, Tatam & Co.						Flasks, bottles, and funnels			15.12
Daniel Duncan						Rent of barn			4.00
James Braden & Sons						Merino sheep			250.00
Seth Thomas Clock Co.						2 clocks			14.50
J. B. Kendall						Solder			9.88
The Hawley Box Co.						Boxes for vaccine			130.13
R. C. M. Burton						Awings			7.75
O. S. Blakeslee						1 bomb calorimeter			348.00
M. P. Bush						Castile soap			6.30
Central Stock Yard and Transit Co.						Caring for cows and calf			2.00
J. H. Bunnell & Co.						Silk lamp cord			3.33
The Public Printer						5,000 copies circular No. 30			77.26
Total							\$8,059.43	\$2,823.59	7,746.19
DAIRY DIVISION.									
Sam'l. E. Watson	Agent.	May 1, 1900	June 30, 1900	\$6.00			318.00		
Joseph D. Rogers	Laborer	May 9, 1900	June 15, 1900	150.00			62.10		
Henry E. Alvord						Traveling expenses		489.17	
R. A. Pearson						Traveling and miscellaneous expenses,		323.25	45.50
						Transportation, Pearson		142.75	
						Butter			222.40
Pennsylvania R. R. Co.						do			146.22
Sam'l. E. Watson						do			414.11
Spring Brook Creamery Co.						do			38.00
Hills Bros.						do			51.84
B. B. Pinney						do			55.80
F. V. Nelson						do			85.60
Watsonville Creamery Co.						do			74.90
Armour & Co.						do			
Albert Lea Dairy Association.						do			6.90
Henry Eibert						do			3.00
Mrs. J. R. Miller						do			

Sam'l. Haugdahl	do				26.15
G. L. McKay	do				26.00
Schwarz & Sulzberger Co.	Refrigerators, beef, and freight.				1,031.48
Priebe & Simater	Capons, turkeys, geese, etc.				473.49
Boardman Bros.	600 dozen eggs				101.82
A. H. Reid	Refrigerator boxes				298.86
Dairymen's Union of California.	48 dozen 1-pound tins				211.20
Merchants' Refrigerating Co.	Storing and shipping dairy products.				170.84
Russell Cream Co.	24 cases "Empress cream"				144.00
Yawman and Erbe Manufacturing Co.	Manila filing paper, etc.				37.40
Alvah L. Reynolds	Cheese				24.80
Edward Norton	do				39.60
Lewis F. Ladrach	do				20.23
Triumph Dairy Co.	do				9.88
C. E. Udeil & Co.	do				18.24
W. H. Rousset & Co.	do				96.14
N. Simon & Co.	do				31.60
J. F. Howard	do				19.55
M. Silverberg & Co.	Gilt lines for frames				6.00
The National Butter Co.	National butter packages				42.00
Henry H. Brown	Seed plates				8.20
The J. F. W. Dornan Co.	Stencils				13.50
Leo Baum	Prints and negatives				19.40
E. Morrison Paper Co.	Memorandum books				6.00
Soyo Kisen Kaisha	Freight on dairy products				26.40
Geo. A. Shehan	Lumber				13.00
Express Company, General	Freight on butter				24.86
John C. Parker	Paper tags and clips				13.08
W. B. Moses & Sons	Oak desk				29.00
M. Du Perow	Electric ceiling fan				14.50
La Grange Creamery Co.	Butter				20.97
Seth Thomas Clock Co.	Oak clock				7.25
Wyckoff, Seamans & Benedict.	Adjusting typewriter				14.50
D. W. Willson	Records of butter market				75
International Transportation Co.	Freight on potatoes				12.22
D. M. Nesbit	20 barrels sweet potatoes				85.00
U. S. Envelope Co.	Printed envelopes				14.94
Frank L. Jones	Cheese boxes				8.19
Chicago Car Seal and Manufacturing Co.	Seal presses				18.00
The Chesapeake and Potomac Telephone Co.	Telephone				12.51
Blue Line Transfer Co.	Transporting butter and cheese				.25
Hugh Reilly	Picture-frame glass				2.17

1 Per month.

Jas. S. Carnell	do	Jan. 21, 1899	130.00	32.90	
James B. Birch	do	Feb. 1, 1900	130.00	150.00	
Wm. A. Collins	do	July 24, 1899	130.00	248.87	
John Fletcher	do	Sept. 1, 1899	130.00	296.00	
Max Lowen	do	Oct. 27, 1899	130.00	32.87	
John Prather	do	Mar. 10, 1899	130.00	60.00	
Wm. T. Pugh	do	Aug. 8, 1899	130.00	323.23	
Fritz Voigt	do	July 1, 1899	130.00	360.00	
Wm. R. Poore	do	July 24, 1899	130.00	333.87	
John Warren	do	Apr. 6, 1900	130.00	82.00	
Wm. J. Mahaney	do	Apr. 23, 1900	130.00	65.00	
So. Railway Co.				18.89	
Atlantic & N. C. R. R.				12.35	
E. C. Schroeder					94.88
Rudolph, West & Co.					1,046.93
Mackall Bros					141.10
A. Wilson & Bro					1,265.50
Geo. A. Shehan					851.74
W. M. Galt & Co					698.00
John B. Daish					122.11
Johnson Brothers					156.55
James E. Rose					110.52
Thos. Somerville & Sons					383.26
Charles Becker					244.02
W. H. Butler					262.70
Geo. F. Muth & Co.					90.27
Hugh Reilly					50.59
Z. D. Gilman					175.13
The Chesapeake and Potomac Telephone Co.					300.00
W. I. Brooke & Co					139.00
Forsberg & Murray					47.83
Standard Oil Co. of New York					292.99
Lutz & Co.					71.50
David Pifferling					275.00
Bausch & Lomb Optical Co.					46.66
The McDerrott Carriage Co.					60.25
"Robbert" L. Grimes					100.00
L. G. Orndorff					70.00
The J. C. Ergood & Co.					19.60
The Standard Brick Co					90.00
W. B. Moses & Sons					12.80
I. J. French					40.00
H. B. Davidson					20.00
Forster & Baldwin					10.32

¹ Per month.

M. M. Chambers	do	do	do	do	2.50	537.50	
J. E. Frank	do	Apr. 24, 1899	do	do	2.50	452.50	
S. N. Heaton	do	Apr. 10, 1899	do	do	2.50	515.00	
Geo. E. Leith	do	do	Dec. 28, 1899	do	2.50	375.00	
M. F. Lewis	do	do	do	do	2.50	387.50	
John Mullin	do	do	do	do	2.50	385.00	
C. H. Polk	do	do	do	do	2.50	522.50	
Henry Thomas	do	do	Dec. 28, 1899	do	2.50	375.00	
M. V. Thompson	do	Apr. 11, 1899	do	do	2.50	565.00	
Henry Towns	do	Apr. 10, 1899	do	do	2.50	522.50	
Wm. Van Ausdale	do	do	Dec. 28, 1899	do	2.50	370.00	
L. Stewart	do	do	do	do	2.50	65.00	
C. W. Fetch	do	June 1, 1900	do	do	2.50	145.00	
John S. Landstedt	do	Apr. 25, 1900	do	do	2.50	132.50	
Ralph Holland	do	do	do	do	2.50	125.00	
W. R. Parks	do	do	do	do	2.50	132.50	
A. Wilson	do	do	do	do	2.50	132.50	
Eugene Stiles	do	do	do	do	2.50	132.50	
M. L. Byrd	do	do	do	do	2.50	130.00	
A. A. Timson	do	do	do	do	2.50	130.00	
Aug. C. Becker	do	Apr. 3, 1899	Jan. 6, 1900	do	2.00	320.25	
M. Stone	do	do	Dec. 30, 1899	do	2.00	334.21	
Marion Dorset	do	do	do	do	2.00	100.37	53.06
Tootie A. Geddes	Chic. & No. W. Ry. Co.						
Chic. & No. W. Ry. Co.						18.75	
						4.85	
						30.00	
						4.68	
						27.00	
K. C., St. Jo., & C. B. R. R.							267.65
Ches. and Ohio Ry. Co.							3,422.68
E. A. de Schweinitz							3,377.50
A. Wilson & Bro							157.97
W. M. Galt & Co							154.32
Mackall Bros							123.60
Washington Gas Light Co							12.40
The Kuy-Scheerer Co							190.00
Fred A. Schmidt							420.00
Robert Wilson							292.41
D. Pfefferling							71.52
C. B. Pierce							20.89
Z. D. Gilman							
Bausch & Lomb Optical Co.							101.25
H. K. Mulford Co.							11.38
Whitall, Tatam & Co							101.00
Edw. Marthan							49.25
Wm. Krafft							20.25
The Chas. Wills Surgical Instrument Co.							
Ernest Burdorf							4.00
Blue Line Transfer Co.							1.44

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
HOOG CHOLERA SERUM EXPERIMENTS—continued.									
R. Carter Ballantyne						Labels			\$1.00
Geo. A. Sheehan						Lumber			72.00
Frank J. Tallant						Knives, hammer, etc.			5.25
Hausman & Dunn						Hypodermic needles			15.00
Wm. E. Pratt						Hog rings			3.25
J. A. Cooper						Hire horse and buggy			20.00
E. Morrison Paper Co.						Tabulating paper			2.00
C. P. Kinney, Co. And						Making maps			8.00
Hull & Oats						Desk and chair			19.00
L. W. Lewis						Cholera mixture, alcohol, etc.			76.15
Iowa Telephone Co.						Office chairs			2.40
Page County Bank						Telephone			2.50
The Public Printer						Rent			16.66
						3,000 copies Bulletin No. 24			100.92
Total							\$14,276.19	\$3,920.98	9,450.74
CONTAGIOUS DISEASES INSPECTION.									
W. S. Devoe	Inspector	June 1, 1893			\$2,500		274.08	125.40	
Chas. H. Blomer	do	Apr. 1, 1898			1,400		117.90		
Rice P. Steddon	Assistant Inspector	Apr. 1, 1897			1,200		1,323.30	1,032.90	
Do	Inspector	Oct. 1, 1899			1,400				
Leslie J. Allen	Assistant Inspector	Aug. 11, 1896			1,200		1,200.00	420.51	
James Beatty	do	Feb. 23, 1899			1,200		193.70	25.75	
W. N. D. Bird	do	June 1, 1898			1,200		482.68	151.89	
George A. Bond	do	Feb. 24, 1898			1,200		401.10	16.50	
Richard J. Blanche	do	Feb. 23, 1898			1,200		804.40	119.42	
Thos. A. Bray	do	Nov. 20, 1893			1,200				
Do	Inspector	June 1, 1900			1,400		401.10	26.20	72.00
Howard M. Burgess	Assistant Inspector	Apr. 18, 1898			1,200		403.30	39.41	
W. F. Ellenberger	do	Aug. 18, 1898			1,200		52.75	71.75	
Fredk. T. Dolan	do	Apr. 1, 1898			1,200		98.90	29.05	
James C. Keely	do	Mar. 1, 1898			1,200		703.30	60.66	
Jno. A. Kiernan	do	Nov. 10, 1896			1,200		726.63	229.10	
Louis A. Klein	do	Apr. 1, 1898			1,200		498.90	46.80	

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Travel- ing.	Miscel- laneous.
				Per diem.	Per an- num.	Miscellaneous items.	Salaries.			
CONTAGIOUS DISEASES IN- SPECTION—continued.										
Don C. Ayer						Traveling expenses			\$5.20	
Julius Huelser						do			3.95	
Ft. W. & Den. City Ry. Co.						Transportation, Klein and Hickox.			31.85	
Union Pac. R. R. Co.						Transportation, Patton			153.73	
Balto. & Ohio R. R. Co.						Transportation, Steddom			19.50	
Int'l. & Gt. No. R. R. Co.						Transportation, Allen and Kiernan.			46.55	
Southern Ry. Co.						Transportation, Steddom			76.34	
The Mo. Pac. Ry. Co.						Transportation, Hickox, Sihler et al.			14.76	
Burl. & Mo. R. R. R. in Ne- braska.						do			11.60	
San A. & A. Pass. Ry. Co.						Transportation, Allen			9.50	
Raleigh & Gaston R. R.						Transportation, Steddom			5.85	
Seaboard & Roanoke R. R.						do			5.85	
The Ches. & Ohio Ry. Co.						Transportation, Geddes			19.13	
Louis. & Nash. R. R. Co.						Transportation, Geddes, Bird et al.			48.18	
The Chic. R. I. & Pac. Ry.						Transportation, Allen			44.00	
Ill. Central R. R. Co.						Transportation, Steddom			33.08	
Nash., Chat. & St. L. Ry.						Transportation, Steddom and Bird.			47.10	
The Atch., Top. & S. Fe Ry.						Transportation, Hickox, Allen, et al.			20.86	
Han. & St. Jo. R. R. Co.						Transportation, Patton			6.90	
The Chic. & No. W. Ry.						Transportation, Hickox, Howe, et al.			61.39	
Chi., N. O. & Tex. Pac. Ry.						Transportation, Steddom			6.20	
Southern Pacific Co.						Transportation, Allen			14.00	
Pennsylvania R. R. Co.						Transportation, Devoe			66.25	
Mo., Kans. & Tex. Ry. Co.						Transportation, Hickox			15.31	
Oreg. Sh. Line R. R. Co.						do			53.65	
The Oreg. R. R. & Nav. Co.						do			31.05	
St. L., Keo. & N. W. R. R.						Transportation, McNeall			36.20	
Lake Sh. & Mich. So. Ry.						do			13.50	
Gulf, Colo. & S. Fe Ry. Co.						Transportation, Sihler			9.10	

Gal., Har. & San A. Ry. Co.					Transportation, Stiles, Hickox, et al.	31.50
Fre., Elk. & Mo. Val. R. R.					Transportation, Hickox	5.07
Northern Pac. R. y. Co.					Office rent	20.10
The K. C. Stock Yds. Co. of Missouri.					Hire horse and buggy	\$180.00
J. W. Davis					Fireproof safe	216.00
W. L. Bell, receiver					Advertising	30.00
Hal Gaylord					"Texas fever" maps	2.50
A. Hoen & Co.					Advertising	150.00
The San Francisco Chronicle.					do	5.75
Houston Printing Co.					do	3.12
The American Co.					do	1.92
Gazette Publishing Co.					do	4.20
The Public Printer.					10,000 copies Bulletin No. 21	508.40
Sioux City & Pacific Ry					Transportation, J. M. Turner.	2.91
Chic., St. P. & Om. Ry					Transportation, G. S. Hickox	3.15
Total.						7,752.71
EXPERIMENTS IN ANIMAL NUTRITION.						\$30,115.37
Henry P. Armsby						
J. J. August Fries						
Expert in animal nutrition.	July 1, 1899					1,000.00
Assistant expert in animal nutrition.	June 24, 1899					840.00
do	July 1, 1899					300.00
I. Thornton Osmond					Expenses and material in constructing calorimeters.	
Henry P. Armsby					Traveling expenses	15.25
Do						
Total.						2,564.76
PURCHASE OF EXPERIMENT STATION.						
H. Bradley Davidson					20 acres of land and appurtenances.	2,564.76
COLLECTING INFORMATION.						
Chas. H. Stevens						20,000.00
Harry D. Paxson						
Pennsylvania R. R. Co.						
Ches. & Ohio Ry. Co.						
Chic., Mil. & St. P. Ry. Co.						
Agent	May 16, 1898					
Chas. H. Stevens						
Harry D. Paxson						
Pennsylvania R. R. Co.						
Ches. & Ohio Ry. Co.						
Chic., Mil. & St. P. Ry. Co.						
Total.						

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
IMPORT CATTLE INSPECTION.								
Bernd. P. Wendt.	Inspector.	Sept. 11, 1893			\$1,400		\$350.00	\$9.60
Thomas A. Bray	Assistant inspector	Apr. 1, 1897			1,200		815.40	7.90
Do.	Inspector	June 1, 1900			1,400			
Benjamin Howes	Assistant inspector	Feb. 1, 1898			1,200		1,200.00	81.68
H. D. Mayne.	Inspector	Mar. 1, 1897			1,200		1,200.00	122.57
Richd. J. Blanche.	Assistant inspector	Feb. 23, 1898			1,200		395.60	161.40
Arthur M. Rork	do.	Feb. 1, 1898			1,200		798.90	186.75
Wm. G. Shaw	do.	Feb. 8, 1899			1,200		496.70	190.00
W. E. Hill	Live-stock agent	Nov. 15, 1897			1,200		798.90	23.50
F. M. Perry	Inspector	Nov. 1, 1898		\$5.00			855.40	374.45
Do.	do.	June 1, 1900			1,400			
John A. Bell	do.	Aug. 1, 1892		8.00			256.00	32.96
F. L. Russell	do.	Sept. 1, 1894		8.00			608.00	290.45
Chas. Cowie	do.	Feb. 1, 1892		5.00			415.00	14.25
D. Cumming	do.	Mar. 26, 1891		5.00			965.00	
G. W. Ward	do.	May 1, 1892		5.00			690.00	122.85
C. L. Morin	Assistant inspector	July 1, 1899		5 and 3			500.00	99.15
H. T. Potter	do.	May 10, 1899		5 and 3			131.00	40.50
J. F. Deadman	do.	June 1, 1899		3.00			39.00	
Ransom Hinkson	Tagger	Apr. 25, 1896			720	Traveling expenses	180.00	
Louis A. Robinson						do	40.23	
W. A. Willard						do	44.70	
Harry M. Ball						do	16.20	
Wm. A. Rushworth						do	29.91	
C. H. Zink						do	12.06	
Thos. Gustor						do	8.55	
Louis K. Green						do	18.35	6.65
John P. O'Leary						do	5.80	
A. F. Martins						do	12.87	
John H. McNeall						do	1.40	
W. N. D. Bird						do	1.35	
Southern Pacific Co						Transportation, Shaw and Blanche.	86.35	
Gal., Har. & San A. Ry. Co						Transportation, A. M. Rork	83.20	
Southern Cal. Ry. Co						Transportation, W. E. Hill.	10.00	
San A. & A. Pass Ry. Co.						Transportation, A. M. Rork.	8.90	
C. M. Flint						Desk and chair		15.25
Total							10,694.90	2,138.60

EXPORT CATTLE INSPEC-
TION.*Baltimore, Md.*

H. A. Hedrick	Inspector	July 16, 1893	1,600	1,600.00		
Isaac L. Ball	Clerk	Dec. 1, 1892	1,200	1,200.00		
Wm. Bennett	Tagger	Apr. 16, 1893	720	720.00		
Jos. E. Blondell	do	do	720	720.00		
Chas. Eisenreich	do	Mar. 15, 1894	720	720.00		
William J. Sullivan	do	Aug. 14, 1893	720	720.00		
H. A. Hedrick	do				Miscellaneous expenses	41.40
N. Rufus Gill	do				Office rent	125.00
The Ches. & Pot. Tel. Co.	do				Telephones	78.00
<i>Boston, Mass.</i>						
A. G. G. Richardson	Inspector	Apr. 1, 1898	1,600	1,900.00		74.45
Do	do	Oct. 1, 1899	2,000			
George W. Pope	do	Apr. 1, 1898	1,400	566.85		
Patk. H. Mullooney	Assistant inspector	Jan. 17, 1898	1,200	508.80		
Harry Q. Thompson	do	Feb. 1, 1898	1,200	798.90		
Thomas Coyle	do	Jan. 1, 1894	1,000			
Do	Stock examiner	Feb. 1, 1900	1,200	1,082.80		
Cyrus K. Small	Vessel inspector	Oct. 1, 1898	900			
Do	Clerk	Oct. 1, 1899	1,000	725.00		
John L. Gilman	do	Apr. 1, 1898	840	210.00		
Wm. P. Cherrington	Stock examiner	Dec. 1, 1894	900	74.20		
Henry W. Busteed	Tagger	Feb. 1, 1896	720	810.00		
Do	Clerk	Oct. 1, 1899	840			
L. L. Bullard	Tagger	Mar. 1, 1892	720			
John Shannon	do	do	720	720.00		
Jas. S. Kenneally	do	Dec. 30, 1899	720	270.16		
Frank P. Nowlan	do	May 23, 1898	720	720.00		
Walter H. Hersey	do	Apr. 20, 1899	720	658.70		
James G. Jeffrey	do	Oct. 23, 1899	720	497.01		
F. H. Burleigh	do	Feb. 1, 1898	720	720.00		
Harry F. Hume	do	Sep. 28, 1891	720	242.00		
A. G. G. Richardson	Laborer	May 29, 1896	1.50	6.00		
Boston Gaslight Co.	do				Street-car fares for T. Coyle	67.70
Bay State Clean Towel Co.	do				Gas	11.30
New England Telegraph	do				Towel laundry	12.00
and Telephone Co.	do				Telephone	82.75
Estate of Benj. Adams	do					
James M. Codman	do				Rent of office	120.00
Prescott Bros	do				Rent	180.00
Gerald E. Street	do				Gas stove and tubing	4.70
W. B. Moses & Sons	do				Janitor service	48.00
Derby Desk Co.	do				Chairs	4.48
W. B. Badger & Co.	do				do	6.75
	Letter file					8.50

Pittsburg, Pa.

Harry N. Waller	Inspector	Apr. 1, 1898		1,400	1,223.46	
F. W. Ainsworth	Assistant inspector	Feb. 7, 1898		1,200	201.10	29.05
Louis R. Cohick	Laborer	June 19, 1899			71.00	
Dani. Hilty	do	Nov. 21, 1899			127.00	
Wm. Miller	do	June 1, 1896	Oct. 31, 1899		28.00	
W. J. Moran	do	do			3.00	
Geo. K. Myers	do	Nov. 21, 1898	May 12, 1900		5.00	
John O'Connor	do	Jan. 1, 1900	Mar. 23, 1900		17.00	
Saml. Wilkinson	do	Oct. 9, 1899			87.00	

Buffalo, N. Y.

Charles H. Zink	Inspector	Dec. 1, 1898		1,400	1,482.80	12.80
Do	do	Feb. 1, 1900		1,600		1.48
L. A. Robinson	do	Jan. 1, 1897		1,400	1,046.13	
Bernd P. Wende	do	Sept. 11, 1893		1,200	1,050.00	
Harry M. Bell	Assistant inspector	Nov. 1, 1898		1,200	403.30	
John P. O'Leary	do	Feb. 1, 1894		1,200	300.00	
Wm. A. Rushworth	do	Dec. 15, 1896		1,200	830.13	
Albert H. Hoyt	Clerk	May 1, 1893	Mar. 15, 1900	1,000	1,000.00	
Geo. H. Russell	do	Nov. 10, 1897		840		
Do	do	Jan. 1, 1900		900	645.00	
John L. Grobe	Stock examiner	Dec. 2, 1895		900	672.50	
Albert W. Meyer	do	Feb. 15, 1896		900	675.00	
Harrison L. Newton	do	Nov. 8, 1894		900	675.00	
Henry L. Riemann	do	Feb. 15, 1896		900	597.50	
George A. Crane	Tagger	July 12, 1899		720	99.73	
Frank J. Danahy	do	May 1, 1893	Jan. 15, 1900	720	168.37	
Ransom Hinkson	do	Apr. 25, 1896		720	540.00	
John Mazurowski	do	July 10, 1893		720	720.00	
Michl. Instinger	do	July 1, 1893		720	48.00	
Joseph Pfeiffer	do	Feb. 15, 1900		720	180.00	
Henry J. Fox	do					270.00
The East Buffalo Live Stock Exchange Co.	do					120.00
The Bell Telephone Co. of Buffalo.	do					12.00

Chicago, Ill.

James Fleming	Assistant inspector	Jan. 1, 1896		1,200	1,234.60	
Do	Inspector	Oct. 1, 1899		1,400		
Herman Busman	Assistant inspector	Feb. 23, 1898		1,200	98.90	
Max Wolf	Clerk	Feb. 1, 1896		1,000	1,000.00	
Jas. V. De Vine	Live stock agent	Jan. 1, 1894	June 16, 1900	900	830.72	
Arda Watson	do	do		900	802.57	
Dighton Grainger	Stock examiner	June 1, 1898		900	521.67	
Wm. C. Hohan	do	May 1, 1897		900	149.20	
John F. Kelly	do	June 30, 1895		900	900.00	
Otho D. Kortz	do	June 27, 1895		900	222.60	

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Traveling.	Miscellaneous.
				Per item.	Per annum.	Miscellaneous items.	Salaries.			
EXPORT CATTLE INSPECTION—continued.										
Chicago, Ill.—Continued.										
Michl. J. Quirk	Stock examiner	Jan. 16, 1895			\$900			\$900.00		
Jere. Holland	Tagger	June 12, 1894			720			720.00		
Michl. M. Murray	do	May 16, 1894			720			712.23		
Frank A. Paddock	do	Feb. 1, 1898			720			594.78		
Richd. Walsh	do	June 1, 1894			720			720.00		
J. C. Whitney	do	Oct. 1, 1898			720			627.22		
W. S. Devoe							Miscellaneous expenses.			\$1.50
Union Stock Yard and Transportation Co.							Office rent			180.00
Portland, Me.										
F. W. Huntington	Inspector.	June 1, 1896			1,200			701.10		3.00
F. W. Sergeant	Laborer.	Dec. 1, 1896		\$2.00				364.00		
Great Britain.										
Wm. H. Wray	Veterinary inspector.	Feb. 1, 1894		12.50				4,562.50	\$210.31	108.76
James F. Ryder	do	Oct. 1, 1892			2,000			2,000.00	541.00	
Frank M. Hunter	Clerk	Sept. 1, 1897			1,000			1,000.00		
Miscellaneous.										
W. S. Devoe							Traveling expenses		87.75	
Thomas Coyle							do		42.00	
George Carter							do		17.12	
Wm. E. Pratt							Hog rings and ringers			257.18
S. D. Childs & Co.							Export tags			245.54
Dennison Manufacturing Co.							do			24.50
Chicago Car Seal and Manufacturing Co.							Disks and presses			26.00
N. Y. Cen. and H. R. R. Co.							Freight on tags.			.75
Boston and Albany R. R.							Freight on hog rings			.84
Ches. and Ohio Rwy. Co.							do			.69

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List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.	Miscel- laneous.
MEAT INSPECTION—cont'd.								
Chicago, Ill.—Continued.								
Edward K. Ward.	Assistant inspector.	June 1, 1900			\$1,200		\$98.90	
Benj. S. Paddock.	Live stock agent	Nov. 1, 1896			1,200		198.90	
Charles Battling	Clerk	Sept. 1, 1894			1,000		1,000.00	
B. A. Galligan.	do	Jan. 1, 1896			1,000		383.17	
E. B. Luce.	do	Feb. 1, 1896			1,000		1,000.00	
Chas. S. Pew.	do	Dec. 15, 1893			1,000		1,000.00	
S. H. Tourtellotte	do	Jan. 10, 1898			1,000		1,000.00	
J. J. O'Malley.	do	Nov. 1, 1895			900		880.46	
Irving W. Pew	do	July 1, 1898			900		900.00	
Jacob K. Skinner.	do	June 1, 1897			900		900.00	
Leroy Scribner.	do	Dec. 15, 1896			840		870.00	
Do	do	Jan. 1, 1900			900			
Norman R. Adams	Stock examiner	Nov. 1, 1895			900		522.53	
George Best	do	Jan. 1, 1894			900		900.00	
W. J. Bennett.	do	do	June 15, 1900		900		707.10	
Clark C. Bone	do	June 1, 1898			900		900.00	
Edw. Brundige	do	Jan. 16, 1894			900		670.00	
H. D. Burdick	do	Jan. 8, 1894			900		900.00	
Thomas G. Clark	do	Jan. 1, 1894			900		895.08	
James J. Dufficy	do	do			900		900.00	
F. C. Cooley	do	Nov. 1, 1895			900		900.00	
David S. Farley	do	Apr. 6, 1899			900		900.00	
David Frisch	do	Jan. 1, 1894			900		900.00	
Thomas R. Fugitt	do	May 1, 1899			900		897.52	
James Gardner	do	June 27, 1895			900		892.69	
Henry Grady	do	do			900		890.10	
Dighton Granger	do	June 1, 1898			900		366.06	
Thos. F. Hanley	do	June 24, 1895			900		852.92	
Geo. T. Hanton	do	June 27, 1895			900		524.20	
Wm. Harpst	do	do			900		900.00	
Wm. P. Hickey	do	Feb. 15, 1894			900		900.00	
Dennis Hurley	do	Aug. 1, 1895			900		895.08	
Jos. F. Jordan	do	Jan. 1, 1894			900		900.00	
Theo. Kanter	do	Nov. 11, 1895			900		900.00	
Julius Kidder	do	Sept. 1, 1898			900		300.08	
Otho D. Kortz	do	June 27, 1895			900		882.50	
Geo. Lunham	do	Jan. 1, 1894			900		677.40	
	do				900		900.00	

Richd. E. Lyman	do	Apr. 23, 1894	900	822.50
Abram M. Manny	do	July 27, 1897	900	900.00
Jas. A. Murphy	do	Jan. 1, 1894	900	900.00
John Murphy	do	Feb. 15, 1894	900	887.64
Terence O'Brien	do	do	900	892.52
Thos. O'Shaughnessy	do	do	900	890.23
Chas. W. Philpot	do	Sept. 1, 1898	900	994.60
do	do	July 21, 1899	1,600	
G. W. Pierce	Clerk	Jan. 8, 1894	900	897.57
W. S. Pidcock	Stock examiner	Aug. 1, 1895	900	900.00
Wm. Proudfoot	do	Feb. 1, 1896	900	900.00
Chas. W. Rowse	do	Nov. 11, 1895	900	829.88
John J. Ryan	do	Dec. 1, 1893	900	900.00
Jno. W. Sarsfield	do	Jan. 1, 1894	900	900.00
Frank Schroeder	do	June 27, 1895	900	824.20
F. L. Simpson	do	do	900	900.00
Sam'l. T. Smith	do	Jan. 16, 1894	900	900.00
Arthur Stuart	do	Feb. 1, 1896	900	300.80
Chas. O. Turner	do	Feb. 27, 1894	900	383.98
Wm. Umbach	do	Nov. 1, 1895	900	371.77
Thos. J. Wade	do	July 1, 1896	900	900.00
F. D. Waterman	do	Jan. 15, 1896	900	900.00
H. B. Waller	do	Feb. 1, 1896	900	875.56
H. D. Williams	do	June 27, 1895	900	868.22
George W. Wood	do	do	900	900.00
Theo. B. Zuendel	do	Nov. 1, 1895	900	900.00
Horace G. Arnold	do	Dec. 1, 1898	720	240.60
David C. Barnett	Tagger	Mar. 25, 1898	720	59.30
Edw. W. Barthold	do	Nov. 11, 1898	720	712.23
W. A. Bitner	do	Feb. 15, 1898	720	240.60
Chas. H. Bridges	do	May 4, 1899	720	240.60
John W. Burton	do	Jan. 2, 1899	720	212.00
Wm. D. Clark	do	Oct. 14, 1897	720	710.27
Wm. Cleveland	do	Jan. 1, 1892	720	720.00
Harry H. Cofoid	do	Nov. 18, 1895	720	692.49
Wm. E. Danaher	do	Nov. 10, 1899	720	457.67
Hugo Ellbring	do	do	720	396.52
Wm. C. Evans	do	Dec. 1, 1898	720	119.40
A. L. Faunce	do	Oct. 16, 1898	720	659.40
Frank J. Fess	do	Jan. 2, 1900	720	274.00
Jno. Fitzgerald	do	June 27, 1895	720	720.00
Jas. A. Flannagan	do	May 23, 1895	720	670.46
James Foley	do	July 17, 1893	720	720.00
Walter M. Foster	do	Dec. 1, 1898	720	360.00
Albert W. Ford	do	Nov. 10, 1899	720	89.56
Wm. Fox	do	Feb. 1, 1894	720	720.00
M. J. Friedline	do	June 8, 1896	720	720.00
Jno. J. Garrity	do	Sept. 1, 1893	720	720.00
Park H. Griffin	do	Feb. 15, 1894	720	720.00
Frank A. Healy	do	Nov. 10, 1899	720	453.87
A. Hostetler	do	Oct. 1, 1898	720	479.40
De L. Howard	do	Sept. 15, 1893	720	714.24

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Travel- ing.	Miscel- laneous.
				Per diem.	Per an- num.	Miscellaneous items.	Salarie.			
MEAT INSPECTION—cont'd.										
Chicago, Ill.—Continued.										
Geo. E. Jaqua	Tagger	May 4, 1899			\$720		\$720 00			
Robt. G. Knipple	do	June 8, 1896			720		60 60			
Danl. Lynch	do	Aug. 15, 1893			720		720 00			
Jno. C. Massie	do	Oct. 20, 1895			720		720 00			
Michl. Metzger	do	Sept. 15, 1893			720		720 00			
Jas. H. O'Brien	do	Jan. 2, 1899			720		718 10			
J. C. Porterfield	do	May 16, 1894			720		696 58			
Jas. M. Rainey	do	June 27, 1895			720		708 02			
Ernest E. Rue	do	June 8, 1896			720		15 65			
Andrew J. Quinn	do	Nov. 10, 1899			720		53 30			
Wm. Ryan	do	July 17, 1893			720		299 40			
Theo. Sauer	do	Aug. 15, 1891	Dec. 31, 1899		720		660 70			
Casper J. Schmitt	do	May 1, 1896			720		60 60			
I. Shortridge	do	Dec. 2, 1895			720		720 00			
M. B. Summers	do	Oct. 1, 1898	May 14, 1900		720		603 44			
J. E. Troughton	do	Dec. 1, 1892			720		686 31			
F. R. Washburn	do	Oct. 6, 1898			720		700 38			
Thos. A. White	do	June 24, 1895			720		240 00			
Hardee Wyatt	do	Nov. 10, 1899			720		286 00		\$12.75	
Chic. & N. West. Ry. Co						Transportation, W. A. Say- age.				
Union Stk. Yd. & Transit Co.						Rent				\$720.00
Hiram W. Hawley						Hire, horse and buggy				240.00
O. E. Dyson						Hire, saddle horse				180.00
O. J. Lanigan						do				180.00
Chicago Telephone Co.						Telephone rental				175.00
Fort Wayne Coal Co.						Coal				71.50
Sterling Furniture Co.						Window shades				9.00
Geo. B. Carpenter & Co.						Awnings				7.65
A. P. W. Paper Co.						Toilet paper				7.00
Wyckoff, Seamans & Bene- dict.						Ink, mucilage, and paper				13.30
J. Haberle						Putting up stoves, and ma- terial.				4.05
Harvey L. Goodall						Record book				4.75
A. P. Little						Copying bath and ink				13.50
C. O. Young						Iron brands				7.50

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
MEAT INSPECTION—cont'd.								
<i>Kansas City, Kans. and Mo.</i>								
—Continued.								
Arthur C. Hart.....	Assistant inspector.	June 1, 1900	.....	.....	\$1,200	.....	\$98.90	.....
Raymond Johnson.....	do.	Aug. 1, 1899	.....	.....	1,200	.....	1,098.90	.....
Benj. F. Kaupp.....	do.	Feb. 10, 1896	.....	.....	1,200	.....	.....	.....
Do.....	Inspector.	June 1, 1900	.....	.....	1,400	.....	1,213.20	.....
Peter I. Kershner.....	Assistant inspector.	Feb. 3, 1897	.....	.....	1,200	.....	1,088.72	.....
Russell G. Lawton.....	do.	Feb. 15, 1900	.....	.....	1,200	.....	1,449.97	.....
Albert Long.....	do.	Dec. 1, 1898	.....	.....	1,200	.....	1,200.00	.....
Frank C. McCurdy.....	do.	Apr. 1, 1898	.....	.....	1,200	.....	821.73	.....
Louis Meisler.....	do.	Sept. 1, 1899	.....	.....	1,200	.....	987.80	.....
Monroe B. Miller.....	do.	Feb. 1, 1899	.....	.....	1,200	.....	1,105.44	.....
Wesley N. Nell.....	do.	Oct. 16, 1899	.....	.....	1,200	.....	841.00	.....
Jas. L. Otterman.....	do.	Aug. 18, 1898	.....	.....	1,200	.....	1,193.46	.....
Isaac W. O'Rourke.....	do.	June 1, 1900	.....	.....	1,200	.....	42.86	.....
Don W. Patton.....	do.	Oct. 1, 1896	.....	.....	1,200	.....	401.10	.....
A. W. Swedberg.....	do.	Dec. 10, 1895	.....	.....	1,200	.....	792.20	\$11.25
Thomas W. Scott.....	do.	Apr. 10, 1900	.....	.....	1,200	.....	243.96	.....
Norris L. Townsend.....	do.	June 15, 1900	.....	.....	1,200	.....	52.75	.....
E. W. Bell.....	do.	May 1, 1896	.....	.....	1,200	.....	52.75	.....
Charles Adams.....	Stock examiner.	do.	.....	.....	900	.....	832.81	.....
E. W. Bell.....	do.	do.	.....	.....	900	.....	882.78	.....
C. E. Blackman.....	do.	Feb. 1, 1898	.....	.....	900	.....	897.57	.....
H. J. Blackwell.....	do.	Jan. 1, 1894	.....	.....	900	.....	46.47	.....
Charles A. Brown.....	do.	June 1, 1895	Sept. 30, 1899	.....	900	.....	114.93	6.10
Wm. Burgess.....	do.	May 1, 1896	.....	.....	900	.....	900.00	.....
Oliver W. Byrd.....	do.	Aug. 1, 1898	.....	.....	900	.....	900.00	.....
Geo. T. Cathel.....	do.	Feb. 12, 1894	.....	.....	900	.....	895.14	.....
J. D. Cooper.....	do.	Nov. 15, 1894	.....	.....	900	.....	790.45	.....
Josiah D. Flora.....	do.	May 16, 1895	.....	.....	900	.....	900.00	.....
Geo. A. Franklin.....	do.	June 17, 1895	.....	.....	900	.....	880.00	.....
Harry D. Freeman.....	do.	Oct. 1, 1895	.....	.....	900	.....	900.00	.....
Washington Gobble.....	do.	Feb. 15, 1894	.....	.....	900	.....	900.00	.....
R. E. L. Jackson.....	do.	Nov. 19, 1894	.....	.....	900	.....	900.00	.....
John L. Lobb.....	do.	May 1, 1894	.....	.....	900	.....	890.00	.....
H. L. McDonald.....	do.	do.	.....	.....	900	.....	592.62	.....
M. J. Madden.....	do.	May 1, 1896	.....	.....	900	.....	832.64	.....
Porter J. Morgan.....	do.	May 7, 1894	.....	.....	900	.....	897.57	.....

J. H. Richardson.	do	May 3, 1894	900	900.00	14.75	
Charles W. Rowse.	do	Nov. 11, 1895	900			
Morey Sappington	do	Aug. 1, 1898	900	900.00		
Sam'l. W. Smith	do	May 1, 1896	900	900.00		
A. E. Wagner	do	May 1, 1894	900	895.14		
I. N. Vance	Clerk	Feb. 1, 1896	900	900.00		
Hiram G. Herrick	do	Mar. 25, 1898	840	840.00		
Thomas A. Scott.	do	Mar. 10, 1898	840	661.84		
George D. Young	do	Mar. 16, 1898	840	840.00		
Larkin S. Campbell	do	Nov. 17, 1898	720	290.40		
Bernd Cunningham	Tagger	Dec. 15, 1893	720	238.80		
James De Goler.	do	Apr. 1, 1894	720	478.00		
Albert Fowkes, sr.	do	Aug. 18, 1897	720	718.00		
Wm. B. Garlick	do	Aug. 1, 1897	720	720.00		
Jno. E. Hart	do	Oct. 15, 1897	720	690.03		
A. J. Henley	do	May 1, 1895	720	706.41		
August Jost	do	Aug. 18, 1897	720	720.00		
H. H. Knox	do	Nov. 1, 1897	720	594.13		
T. A. McLeland	do	Aug. 1, 1897	720	720.00		
Henry Morley	do	do	720	720.00		
Dani'l. S. Platt	do	Jan. 22, 1894	720	720.00		
Thomas B. Rea	do	May 24, 1900	720	720.00		
Wm. H. Saunders	do	Apr. 11, 1898	720	75.12		
Cecil K. Schafer	do	do	720	620.32		
J. W. Shannon	do	Feb. 1, 1894	720	39.73		
Jas. R. Stafford	do	Feb. 7, 1898	720	720.00		
James M. Steel	do	Aug. 1, 1897	720	714.08		
O. A. Stingley	do	Jan. 16, 1899	720	718.06		
Nelson E. Weaver	do	Jan. 3, 1898	720	716.20		
Sam'l. E. Bennett.	do			716.14		
Armour Packing Co.						\$276.00
John E. Lach						50.00
B. Harrigan						45.00
Zahner & Battel Manufac-						12.00
turing Co.						5.00
Cutler & Neilson P. and C. Co						17.50
F. P. Burnap Stationery						31.75
and Printing Co.						
Silver Laundry Towel Co.						6.06
Emery, Bird, Thayer Dry						7.00
Goods Co.						
Johnson & Co.						3.75
E. B. Hargrave & Son						7.50
K. C., St. Jo. & C. B. R. Co.						1.40
<i>Cincinnati, Ohio.</i>						
Albert J. Payne	Inspector	Sept. 1, 1898	1,400	1,047.30		10.94
Louis P. Cook	Assistant inspector	May 1, 1895	1,200	1,088.91		
Wm. P. Ellenberger	do	Aug. 18, 1898	1,200	1,127.47		5.69
C. M. McFarland	do	June 12, 1900	1,200	62.04		
Thomas L. Rice	do	Feb. 10, 1898	1,200	496.70	9.00	

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per-an-nu-m.	Miscellaneous items.	Salaries.	Travel-ing.	Miscel-laneous.
MEAT INSPECTION—cont'd.									
Cincinnati, Ohio—Cont'd.									
Wm. G. Shaw.....	Assistant inspector	Feb. 8, 1899			\$1,200		\$670.72		
A. L. Hirdeman.....	Stock examiner	Mar. 10, 1896			900		900.00		
Edw. C. Carle.....	Tagger	Oct. 1, 1896			720		720.00		
Charles Pearson.....	do	June 15, 1898			720		708.31		
Patk. E. Quinn.....	do	Nov. 11, 1895			720		720.00		
John C. Schook.....	do	Nov. 1, 1898			720		720.00		
Carrie Ehlers.....	Assistant microscopist	Feb. 16, 1898			600		148.45		
The Mo. Pacific Ry. Co.							Transportation, T. L. Rice.	\$16.50	
Cleveland, Ohio.									
Edw. P. Schaffter.....	Inspector	Dec. 1, 1897			1,400		1,400.00	2.60	\$0.98
James T. Stuart.....	Assistant inspector	Mar. 1, 1898			1,200		1,200.00		
John J. Crowley.....	Stock examiner	Jan. 1, 1899			900		877.50		
Frank Fila.....	Tagger	Sept. 25, 1893			720		53.50		
Simon Kacher.....	do	July 1, 1893			720		720.00		
John D. Shannon.....	do	Nov. 6, 1893			720		178.70		
Louis N. Stumpf.....	do	June 16, 1893			720		720.00		
Isabella Laco.....	Laborer.	May 29, 1896			1 \$50.00		13.00		
South Omaha, Nebr.									
Don C. Ayer.....	Inspector	Nov. 1, 1896			1,600		1,530.47		12.50
W. B. Niles.....	do	Aug. 20, 1898			1,400		450.00	2.00	
A. T. Everett.....	do	Nov. 6, 1893			1,200		1,282.70		
Do.....	do	Feb. 1, 1900			1,400				
H. M. Batchelder.....	Assistant inspector	Jan. 2, 1899			1,200		1,200.00		
Levi P. Beechy.....	do	July 15, 1898			1,200		1,130.77		
Lowell Clarke.....	do	Nov. 1, 1895			1,200		316.50		
Do.....	Inspector	June 1, 1900			1,400				
Dean G. Cooper.....	Assistant inspector	Mar. 4, 1898			1,200		1,196.73		
Harry H. Dell.....	do	Jan. 25, 1900			1,200		520.03		
Wm. E. Fleming.....	do	Mar. 1, 1900			1,200		463.30	21.40	
J. Otis Jacobs.....	do	July 1, 1898			1,200		1,200.00	22.05	
Chas. W. Johnson.....	do	Aug. 18, 1898			1,200		703.30		
Aquila Mitchell.....	do	Jan. 10, 1900			1,200		98.90	19.95	
B. W. Murphy, Jr.....	do	Nov. 11, 1899			1,200		759.69		

Frank E. Murray	do	June 1, 1900	1,200	95.60
Don W. Patton	do	Oct. 1, 1896	1,200	701.10
Robt. A. Ramsay	do	Feb. 18, 1899	1,200	1,101.18
Burton R. Rogers	do	June 1, 1900	1,200	95.60
Hugh M. Rowe	do	Dec. 15, 1898	1,200	1,196.73
Willard A. Savage	do	Apr. 1, 1898	1,200	440.19
Charles Conover	Clerk	Jan. 16, 1897	1,900	1,000.00
Phelps Paine	do	June 1, 1897	840	888.21
Jay E. Williams	do	Mar. 10, 1898	900	835.40
Dev N. Chase	Stock examiner	July 15, 1898	900	851.10
J. W. Davis	do	Jan. 1, 1894	900	900.00
W. K. Jacobs	do	Jan. 27, 1895	900	816.83
Frank Jelen	do	Apr. 1, 1895	900	890.25
Thos. J. Lowery	do	Mar. 25, 1895	900	885.33
Jay Merrill	do	Jan. 1, 1894	900	892.57
Jacob I. Payne	do	do	900	895.00
Frank G. Patrick	do	do	900	205.46
Stephen Roberts	do	Nov. 30, 1899	900	887.75
T. J. Alexander	Tagger	July 25, 1898	720	720.00
Jos. G. Beattie	do	Aug. 1, 1897	720	720.00
Edw. A. Bundy	do	Dec. 1, 1898	720	720.00
Jacob Burkard	do	July 18, 1898	720	692.30
Chas. E. Campbell	do	May 16, 1893	720	720.00
James Condon	do	Dec. 1, 1898	720	720.00
W. W. Crandall	do	Aug. 4, 1897	720	720.00
Reuben Forbes	do	June 1, 1897	720	682.77
Elias Gilmore	do	Aug. 1, 1897	720	720.00
Morris T. Hascall	do	Feb. 10, 1896	720	720.00
Orlando W. Helvey	do	Dec. 1, 1898	720	720.00
Ira F. Knee	do	Dec. 1, 1898	720	720.00
Anton Kostal	do	July 18, 1898	720	720.00
James Kunes	do	May 16, 1893	720	720.00
Thomas Leddy	do	do	720	720.00
Chas. H. McCormick	do	Feb. 15, 1895	720	720.00
John McCann	do	June 6, 1898	720	502.00
R. H. Mahan	do	June 27, 1895	720	720.00
Arthur B. Miller	do	June 1, 1893	720	720.00
John B. Payton	do	May 10, 1899	720	716.08
Isaiah Richards	do	July 16, 1897	720	242.00
Samuel A. Risley	do	Dec. 1, 1898	720	242.00
Jas. T. Robertson	do	Oct. 1, 1898	720	659.40
Wm. H. Saunders	do	Nov. 1, 1897	720	720.00
Cecil K. Schafer	do	Apr. 11, 1898	720	91.96
Martin J. Schafer	do	do	720	616.46
Geo. H. Schroeder	do	Apr. 2, 1900	720	178.06
Floyd W. Schatzell	do	Aug. 1, 1898	720	694.34
Harry A. Schatzell	do	Jan. 2, 1899	720	716.10
Alfred J. Smith	do	Aug. 4, 1897	720	697.96
Philip Smith	do	Apr. 15, 1898	720	720.00
Saml. I. Valentine	do	May 22, 1893	720	714.10
Henry C. Williams	do	Oct. 16, 1894	720	718.10
	do	Apr. 1, 1898	720	720.00

¹ Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MEAT INSPECTION—cont'd.									
South Omaha, Nebr.—Cont'd.									
Geo. S. Hickox	Laborer	Aug. 1, 1898							
Do	Agent	Oct. 1, 1899			\$720				
J. O. Eastman	Laborer	July 1, 1897		\$2.00	1,000		\$264.20		
Don C. Ayer						Hire saddle horses	52.00		\$15.00
Packers' National Bank						Office rent			44.35
Nebraska Telephone Co						Telephone			53.20
L. Berger						Hauling seals and stamps			29.10
W. G. Sloan						Packing and shipping furniture.			4.50
J. S. Stott						Stationery			12.22
J. N. Kelly						Towel laundry			23.25
Pacific Express Co.						Expressage			2.70
Boston, Mass.									
Wm. M. Balmer	Inspector	Nov. 20, 1893	Sept. 30, 1899		1,200		264.16		
James Johnston	Assistant Inspector	Nov. 18, 1895			1,200		704.27	\$13.05	
Do	Inspector	June 1, 1900			1,400				
John A. Kiernan	Assistant Inspector	Nov. 10, 1896			1,200		366.67	11.55	
Alfred F. Martins	do	Mar. 1, 1898			1,200		302.20	18.15	
Geo. B. Morse	do	Aug. 15, 1899			1,200		1,050.00		
Patk. H. Mullooney	do	Jan. 17, 1898			1,200		691.20		
John H. McNeall	do	Apr. 10, 1899			1,200		398.90		
John P. O'Leary	do	Feb. 1, 1896			1,200		600.00		
Chas. F. Palmer	do	Oct. 16, 1899			1,200		818.10		
Harry Q. Thompson	do	Feb. 1, 1898			1,200		401.10		
Alex. E. Wight	do	Dec. 15, 1898			1,200		1,200.00		
Cyrus K. Small	Clerk	Oct. 1, 1899			1,000		250.00		
Wm. P. Cherrington	Stock examiner	Dec. 1, 1894			900		223.30		
Philip J. Fanning	do	Feb. 1, 1896			900		897.57		
Geo. D. Warner	do	July 1, 1898			900		900.00		
Alfred L. Bailey	Tagger	Jan. 18, 1900			720		326.00		
W. E. Berry	do	June 1, 1899			720		242.00		
Frank N. Brown	do	Jan. 8, 1896			720		363.20		
Albert C. Chapin	do	Feb. 14, 1899			720		121.30		
Frank R. Fravel	do	Oct. 1, 1895			720		299.40		
Do	Clerk	Feb. 1, 1900			840				

Tagger	Mar. 1, 1900		720	242.00	
Chas. B. Hutchinson	do		720	62.00	
Jas. E. Lorejoy	Apr. 20, 1899		720	59.30	
Frank P. Nowlan	Dec. 21, 1891		720	476.00	456.00
Wm. H. Tozier					41.24
A. G. Richardson	Mar. 31, 1900				94.75
Do					
New England Telegraph and Telephone Co.					
James M. Codman					90.00
Gerald E. Street					24.00
Arthur B. Curtis					60.00
The Boston Gaslight Co					2.10
Thorp & Martin Co					3.50
F. A. Walker & Co.					5.00
Clinton, Iowa.					
Arthur B. Morse	May 19, 1895		1,400	1,400.00	
Inspector					
Inspector	Apr. 1, 1898		1,400	1,358.19	8.60
Niels C. Sorensen	May 1, 1897		1,400	1,239.61	
T. L. Armstrong	Jan. 1, 1897		1,400	41.85	
Thos. J. Turner	Apr. 1, 1897		1,200	900.00	22.50
Thomas Castor	Feb. 23, 1899		1,200	534.81	
James Beatty	June 20, 1899		1,200	1,200.00	
Tat Butler	Dec. 13, 1897		1,200	1,200.00	
Robert Darling	Apr. 1, 1898		1,200	397.79	
Fredk. T. Dolan	Mar. 4, 1898		1,200	1,200.00	
Saml. G. Hendren	June 25, 1900		1,200	19.78	
Jno. B. Hollenbeck	Dec. 1, 1897		1,200	600.00	
Charles Keane	July 20, 1898		1,200	1,200.00	
Jos. S. Keane	Mar. 1, 1898		1,200	490.10	13.91
James C. Keely	July 14, 1899		1,200	557.60	
Herman R. Ryder	do		1,200	157.60	
Geo. E. Totten	Feb. 21, 1900		1,200	416.78	
Robt. Turnbull	Jan. 15, 1900		1,200	553.37	
Harry K. Walter	Sept. 1, 1898		1,200	865.71	
Chas. Bartholomew	Jan. 1, 1894		900	897.50	
Stock examiner	Feb. 19, 1894		900	887.79	
Jacob Fox	Jan. 1, 1894		900	900.00	
Geo. W. Koontz	Jan. 1, 1894		840	833.07	
Jas. W. Wampler	May 4, 1899		840	840.00	
John H. Carroll	Oct. 1, 1898		840	833.08	
Martin P. Grady	Mar. 10, 1898		720	947.57	
George S. Jones	Nov. 18, 1893		720	339.30	
Wm. A. Skinner	Oct. 1, 1898		720	720.00	
Syl. S. Sowers	Nov. 21, 1898		720	155.92	
Leslie V. Stafford	Oct. 1, 1898		720	578.00	
Willard H. Treat	July 14, 1899		720		
Joseph Foppiano	Jan. 21, 1899	2.00			
the Wabash E. R. Co					14.00
Transportation, J. C. Keely					

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.					
				Per diem.	Per-an-nu-m.	Miscellaneous items.	Salaries.	Travel-ing.	Miscel-laneous.		
MEAT INSPECTION—cont'd.											
<i>Indianapolis, Ind.—Cont'd.</i>											
Belt R. R. and Stock Yard Co.							Office rent			\$120.00	
Central Union Telephone Co.							Telephone			72.00	
Charles Auck							Safe			35.00	
The Iliff Stationery Co.							Water bath and wringer			7.20	
<i>Lincoln, Nebr.</i>											
Sam'l. E. Cosford	Assistant inspector	Dec. 10, 1895			\$1,200	}			\$1,233.50	1.75	
Do.	Inspector	May 1, 1900			1,400						
Russell G. Merrill	Tagger	June 10, 1898			720				720.00		
<i>New York, N. Y.</i>											
R. W. Hickman	Inspector	Sept. 1, 1893			2,000				2,000.00	69.45	
James H. Ferster	do	Apr. 15, 1891	Dec. 31, 1899		1,400				700.00		
O. B. Hess	do	July 1, 1896			1,400				350.00		
E. A. Parsons	do	Feb. 15, 1894	Dec. 5, 1899		1,200				511.94		
Louis Abel	Assistant inspector	Oct. 1, 1896			1,200				1,196.60		
James Beatty	do	Feb. 23, 1899			1,200				201.10		
Geo. W. Browning	do	Apr. 5, 1900			1,200				286.81		
Emerson J. Cary	do	June 1, 1900			1,200				98.90		
John B. Hopper	do	Mar. 15, 1898			1,200				1,196.73		
Moses Jacob	do	June 12, 1900			1,200				62.64		
Jno. V. Laddey	do	Mar. 1, 1898			1,200				1,176.92		
Wilbur J. Murphy	do	Dec. 2, 1895			1,200				1,097.70		
Do.	Inspector	June 1, 1900			1,400	}					
Thos. H. Ripley	Assistant inspector	July 20, 1898			1,200				464.65	41.42	
Fredk. L. Stevens	do	July 10, 1899			1,200				1,138.02		
Jos. Thackaberry	do	Apr. 20, 1899			1,200			496.70			
Archd. H. Wallace	do	Feb. 23, 1899			1,200						
W. A. Willard	Clerk	Sept. 1, 1893			1,200				98.90		
Eph. Dietrich	do	Dec. 15, 1898			1,000				1,200.00		
E. Balzer	Microscopist	Mar. 18, 1899			1,200				1,000.00		
A. H. Richards	Assistant microscopist	Mar. 1, 1895			600				300.00		
Hiram Jerome	Stock examiner	Oct. 12, 1897			900				103.89		
Theodore Kanter	do	Nov. 11, 1895			900				900.00		
					900				597.50		

\$120.00
72.00
35.00
7.20

1.75

69.43

Henry Schauer	do	Dec. 9, 1895	900	882.75	
John L. Burgess	Tagger	May 1, 1900	720	120.70	
J. F. Butterfass	do	Mar. 2, 1896	720	720.00	
Edgar Gill	do	Mar. 20, 1899	720	330.55	
Wallace M. Gill	do	June 29, 1896	720	688.35	
Frank J. Gilmore	do	Feb. 1, 1896	720	720.00	
Frank J. Goebel	do	Sept. 7, 1891	720	717.94	
Geo. J. Haggerty	do	Mar. 2, 1898	720	710.27	
G. M. Lachman	do	June 1, 1898	720	410.00	
Geo. F. Luepke	do	May 23, 1895	720	720.00	
John C. Owen	do	Jan. 2, 1900	720	300.00	
Frank D. Owen	do	Feb. 1, 1900	720	295.00	
Jas. E. Lovejoy	do	Mar. 1, 1900	720	180.00	8.75
Ernest E. Rue	do	June 8, 1896	720	226.40	18.12
Henry Schopp	do	Sept. 15, 1893	720	720.00	
Stephen A. Selby	do	Dec. 2, 1895	720	716.00	
Ernest F. Slater, jr	do	Dec. 7, 1896	720	577.54	
John B. Roberts	do	Mar. 10, 1900	720	224.00	
H. F. R. Workheiser	do	June 26, 1899	720	360.00	
Richman Coles	do	Apr. 25, 1900		135.00	
B. H. Adams et al	Laborer				480.00
New York Telephone Co.					77.95
Manges Bros.					24.00
Mitnacht's Eagle Safe Co					50.00
Hiram Jerome					6.15
Eph. Dietrich					6.50
The Oreg. R. R. and Nav. Co.					75.00
<i>Buffalo, N. Y.</i>					
Louis A. Robinson	Inspector	Jan. 1, 1897	1,400	350.00	
Harry M. Ball	Assistant inspector	Nov. 1, 1898	1,200	796.70	
W. N. D. Bird	do	June 1, 1898	1,200	300.00	
Clarence O. Durfee	do	June 23, 1900	1,200	42.75	
John H. McNeall	do	Apr. 10, 1899	1,200	19.78	
Herman R. Ryder	do	July 14, 1899	1,200	778.02	18.15
John L. Grobe	Stock examiner	Dec. 2, 1895	900	596.00	
Albert W. Meyer	do	Feb. 15, 1896	900	225.00	
H. L. Newton	do	Nov. 8, 1894	900	225.00	
Henry L. Rieman	do	Feb. 15, 1896	900	225.00	
Geo. H. Russell	Clerk	Jan. 1, 1900	900	302.50	
Michl. Chojnacki	Tagger	Apr. 16, 1894	720	225.00	
Geo. A. Crane	do	July 12, 1899	720	656.84	
Frank J. Danahy	do	May 1, 1893	720	228.13	
Michl. Justinger	do	July 1, 1893	720	158.53	
Henry J. Fox	do			478.00	
The E. Baf. L. S. Ex. Co.					270.00
John A. Barth					120.00
C. H. Zink					45.00
International Office Toilet Supply Co.					3.00
					15.73

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Traveling.	Miscellaneous.
				Per diem.	Per ann.	Miscellaneous items.	Salaries.		
MEAT INSPECTION—cont'd.									
Davenport, Iowa.									
Geo. Ditewig	Assistant inspector	Aug. 11, 1896			\$1,200		\$1,233.50		\$1.05
Do.	Inspector	May 1, 1900			1,400		900.00		
Geo. C. Burke	Stock examiner	Jan. 1, 1894			900		900.00		
John Trainer	do	June 27, 1895			900				
National Stock Yards, Illinois.									
J. J. Brougham	Inspector	July 1, 1896			1,600		1,595.69		\$28.01
Henry E. Brown	Assistant inspector	Sept. 1, 1899			1,200		987.91		
Clinton H. Bugbee	do	June 15, 1900			1,200		52.75		
Louis P. Cook	do	May 1, 1896			1,200		101.10		
Elwin T. Davison	do	Sept. 7, 1896			1,200		465.25		
Fredk. T. Dolan	do	Apr. 1, 1898			1,200		602.20	\$12.05	
Frank C. Ellis	do	Mar. 1, 1898			1,200		489.10		
Fredk. W. Hopkins	do	Feb. 15, 1896			1,200		1,121.95		
Do	Inspector	June 1, 1900			1,400		49.45		
Roy E. Jackson	Assistant inspector	June 15, 1900			1,200		1,200.00		
Robt. L. Kelly	do	Sept. 7, 1897			1,200		52.75		
Willis H. Meadors	do	June 1, 1900			1,200		429.97		
Robt. J. Morrison	do	Feb. 21, 1900			1,200		1,005.63		
Jno. O. F. Price	do	Aug. 1, 1899			1,200		1,023.86		
John G. Slee	do	Apr. 14, 1897			1,200		1,087.91		
Archd. H. Wallace	do	Feb. 23, 1899			1,200		895.12		
Arthur H. Bibb	Stock examiner	May 1, 1896			900		895.08		
A. R. Bruton	do	Feb. 15, 1895			900		58.70		
Frank Canon	do	Apr. 1, 1894			900		802.68		
Wm. T. Flynn	do	Jan. 1, 1894			900		813.52		
David R. Hodges	do	Sept. 1, 1896			900		892.64		
Frank O'Neill	do	July 18, 1898			900		900.00		
Geo. Sutherland	do	Nov. 12, 1894			900		900.00		
Wm. S. Crawford	Clerk	Apr. 10, 1895			900		900.00		
E. S. Bennett	Tugger	Feb. 15, 1895			720		320.98		
Clement Bevelot	do	Dec. 1, 1893			720		720.00		
Joseph G. Carr	do	Feb. 15, 1895			720		712.00		
Jas. W. Chowning	do	Dec. 1, 1898			720		720.00		
Wm. J. Doyle	do	Feb. 15, 1895			720		487.23		

Robert Gray	do	June 24, 1895	May 26, 1900	720	716.00	
Geo. F. Harley	do	June 18, 1898		720	384.21	
Edw. C. Leuck	do	Oct. 12, 1898		720	632.66	
Chas. O. McDonald	do	Dec. 1, 1898		720	203.03	
Edw. O. Speake	do	Apr. 1, 1898		720	720.00	
Edw. M. Smith	do	July 18, 1898		720	720.00	
Joseph Sullivan	do	Feb. 15, 1895		720	451.90	
Orville H. Banks	do	Mar. 26, 1898			90.00	650.00
St. Louis National Stock Yards.	Laborer		\$30.00			
St. L., Keo. & N. W. R. R. Co.						1.66
South St. Joseph, Mo.						
John Forbes	Inspector	Sept. 1, 1898		1,400	1,600.00	
J. E. Blackwell	do	Aug. 1, 1893		1,400	1,306.20	34.40
Charles M. Day	do	Jan. 1, 1899		1,400	229.40	
Abraham M. Adams	Assistant inspector	Feb. 12, 1897		1,200	352.27	6.87
George A. Bond	do	Feb. 24, 1898		1,200	749.57	7.90
Joseph M. Good	do	Feb. 23, 1899		1,200	1,200.00	
Harry G. Moore	do	Jan. 1, 1896		1,200		
Do	do	June 1, 1900		1,400	616.50	24.50
James S. Kelly	Inspector	Apr. 1, 1897		1,200	401.10	
Frank C. McCurdy	Assistant inspector	Apr. 1, 1898		1,200	293.74	6.35
Thos. H. Ripley	do	July 20, 1898		1,200	682.44	
John A. Sloan	do	June 30, 1899		1,200	1,177.19	
Chas. E. Steel	do	Aug. 1, 1899		1,200	1,098.90	
Ios. Thackaberry	do	Apr. 20, 1899		1,200	703.30	
Henry J. Washburn	do	May 23, 1898		1,200	1,177.16	
James Wilson	do	Dec. 1, 1894		1,200	1,216.50	
Do	do	June 1, 1900		1,400		
John B. Wright	Inspector	Apr. 18, 1898		1,200	1,200.00	
Frank A. Ewing	Assistant inspector	May 1, 1894		900	897.57	
Clayton E. Moss	Stock examiner	Sept. 1, 1898		900	900.00	
J. O. W. Alexander	Clerk	Apr. 1, 1899		840	492.30	
John S. Biggs	do	July 1, 1899		840	22.83	
Edw. J. Newmyer	do	Feb. 21, 1900		840	289.46	
Walter D. Benton	do	Apr. 15, 1898		720	702.44	
T. Byron Gracraft	Tagger	do		720	702.27	
Alvin M. Feese	do	July 18, 1898	Sept. 10, 1899	720	93.86	
Paul P. Druckmiller	do	do	June 20, 1900	720	720.00	
Matt. A. Farley, jr	do	Nov. 18, 1898		720	672.77	
Moses W. Games	do	Apr. 15, 1898		720	718.00	
Frank W. Games	do	Jan. 15, 1900		720	322.15	
Robt. E. Goodin	do	Sept. 5, 1899		720	561.53	
Wm. J. Hardenstine	do	May 1, 1896		720	710.18	
Emory K. Hess	do	Dec. 10, 1895	July 18, 1899	720	35.22	
Fredk. O. Petty	do	Jan. 16, 1899		720	688.64	
Thos. Redmond	do	Apr. 25, 1898		720	714.11	
Henry Singleton	do	May 23, 1898		720	694.62	
Wallace L. Upton	do	Oct. 1, 1899		720	540.00	

¹ Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
MEAT INSPECTION—cont'd.									
South St. Joseph, Mo.—Continued.									
Wm. Yenner	Tagger	May 20, 1898			\$720		\$704.40		
St. Joseph Stock Yards Co.						Office rent			\$300.00
John Forbes						Hire, horse and buggy			180.00
Missouri and Kansas Telephone Co.						Telephone			50.00
Combe Printing Co.						Letter press and stand			23.50
The Louis Hax Furniture Co.						Making cabinet, etc.			18.80
F. R. Creswell						Labor and materials			10.00
Kans. City, St. Jo. & C. B. R. R.						Freight on furniture			1.40
South St. Paul, Minn.									
Frank D. Ketchum	Inspector	July 1, 1899			1,400		1,384.82		7.49
M. O. Anderson	Assistant inspector	Mar. 9, 1898			1,200		1,196.77		
Geo. T. Irons	do	Apr. 18, 1899			1,200		1,200.00		
Clarence Loveberry	do	Feb. 7, 1898			1,200		956.53		
Rolla N. Mead	do	Apr. 23, 1900			1,200		227.47		
Dani. G. Shumway	do	Apr. 12, 1899			1,200		1,200.00		
Thos. M. Libby	Stock examiner	Oct. 1, 1895			900		895.09		
John Jacobson	do	Jan. 1, 1899			900		892.65		
Burr Allen	Tagger	July 18, 1898			720		668.51		
Harry S. Newlove	do	Jan. 1, 1897			720		680.28		
Calvin W. von Dorn	do	Apr. 11, 1898			720		720.00		
San Francisco, Cal.									
Geo. S. Baker	Inspector	Nov. 1, 1896			1,600		1,600.00		
John E. Munn	Stock examiner	Jan. 1, 1897			900		749.20		
Ambrrose McSweeney	do	Feb. 15, 1896			900		897.58		
John F. Nelson	do	do			900		900.00		
Laomer West	Clerk	June 1, 1896			900		374.20		
Thomas F. Brown	Tagger	Oct. 12, 1896			720		539.40		
Jno. H. Webster	do	Mar. 2, 1896			720		717.94		

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.			
MEAT INSPECTION—cont'd.										
Portland, Oreg.—Continued.										
John J. Borden	Stock examiner	Mar. 2, 1896			\$900		\$14.84			
Howard D. Eley	Tagger	Feb. 15, 1896			720		590.30	\$23.30		
Wm. R. Sutor	do	June 5, 1899			720		720.00			
Geo. J. Coleman	Laborer	Dec. 1, 1898		\$2.00			652.00			
No. Pacific Ry. Co.						Transportation, Loveberry.		50.00		
Sioux City, Iowa.										
Wm. Thompson	Inspector	Apr. 1, 1898			1,400		1,305.72			\$51.79
H. A. Christmann	Assistant inspector	Feb. 1, 1898			1,200		591.10	8.60		
Nelson V. Boyce	do	June 1, 1900			1,200		98.90			
Frank C. Fells	do	Mar. 1, 1898			1,200		681.54	20.56		
Wm. A. Heck	do	Apr. 15, 1897	Dec. 4, 1899		1,200		97.80			
Geo. A. Johnson	do	Apr. 1, 1897			1,200		1,107.53			
Do.	Inspector	June 1, 1900			1,400					
Henry Roome	Assistant inspector	Sept. 25, 1899			1,200		912.94			
Geo. W. Clark	Clerk	Mar. 1, 1898			900		870.64			
C. J. Chamberlain	Stock examiner	Jan. 1, 1899			900		900.00			
Donald McDonald	do	Feb. 1, 1896			900		882.80			
D. A. Winnie	do	Jan. 1, 1899			900		900.00			
Wm. B. Treadway	do	Jan. 1, 1894	Sept. 1, 1899		900		151.60			
Thos. G. Cowgill	Tagger	May 9, 1898			720		540.00			
Wm. E. Hall	do	Dec. 1, 1899			720		420.00			
Myron H. Kling	do	Dec. 15, 1898			720		712.23			
Geo. H. Robinson	do	Nov. 10, 1899			720		449.95			
Henry D. Osborne	do	Mar. 21, 1898		2.00			28.00			
Chic, Mil. and St. P. Ry. Co.	Laborer					Transportation, H. A. Christmann.		13.80		
Iowa Telephone Co.						Telephone				22.50
Wichita, Kans.										
W. C. Barth	Inspector	Sept. 1, 1898			1,400		1,400.00	11.00		2.65
Thos. W. Oshel	Stock examiner	July 1, 1897			900		900.00			

St. Louis, Mo.	Inspector	Sept. 1, 1898	1,400	1,400.00	17.35	1,400.00
W. S. Cass	Assistant inspector	June 1, 1898	1,200	381.38		
W. N. D. Bird	do	June 15, 1900	1,200	49.45		
Duncan R. Gillies	do	June 1, 1900	1,200	98.90		
Wm. R. Hynes	do	do	1,200	98.90		
Chester Miller	do	June 22, 1898	1,200	1,121.77		
Murray J. Myers	do	Apr. 1, 1898	1,200	1,081.52		
Thomas B. Pote	do	Apr. 2, 1900	1,200	293.41		
A. W. Swedberg	do	Dec. 10, 1895	1,200	401.10		
Geo. H. Boughner	Live stock agent	Nov. 16, 1896	900	900.00		
Adelbert G. Bibb	Stock examiner	Mar. 1, 1896	900	900.00		
Frank Canon	do	Apr. 1, 1894	900	721.47		
Saml. Frazee	do	Feb. 20, 1895	900	515.00		
George Markert	do	July 18, 1898	900	900.00		
J. O. W. Alexander	Clerk	Apr. 1, 1899	840	900.00	11.00	
James Ford	Tagger	Sept. 28, 1896	720	720.00		
Edgar N. La Rue	do	May 15, 1899	720	706.27		
Matc. O'Keefe	do	Mar. 2, 1896	720	720.00		113.90
W. S. Cass	do					49.00
G. V. Halliday & Co.	Furniture Co.					24.00
Scarritt-Comstock						
Cudahy, Wis.	Inspector	Jan. 1, 1899	1,400	1,392.43		11.51
Arthur R. Wake	Assistant inspector	Jan. 1, 1896	1,200	560.90		
Harry G. Moore	Inspector	June 1, 1900	1,400	900.00		
James W. Carney	Stock examiner	Sept. 15, 1894	900	900.00		
Charles Elmer	do	Jan. 1, 1899	900	900.00		
Geo. J. Reinsch	Clerk	May 15, 1895	900	900.00		
Stephen D. Gillett	Tagger	Jan. 2, 1899	720	469.43		
Frank Mackut	do	May 1, 1896	720	720.00		
Jos. M. Sommer	do	Oct. 1, 1896	720	592.72		2.46
Bay View Steam Laundry						
Louisville, Ky.	Inspector	Jan. 1, 1897	1,400	1,358.19	8.80	80.49
Thomas J. Turner	do	Apr. 1, 1898	1,400	41.85		
Niels C. Sorensen	Assistant inspector	Apr. 18, 1898	1,200	796.70		
Howard M. Burgess	do	Feb. 21, 1900	1,200	429.97		
Wm. T. Sparhawk	do	Mar. 1, 1899	1,200	1,200.00		
Herbert M. Smith	do	Mar. 2, 1896	900	897.57		
Geo. H. Woolfolk	Stock examiner	Apr. 1, 1898	720	720.00		65.00
Hogan Gaines	Tagger					25.00
Bourbon Stock Yard Co.						22.00
J. E. Bell						26.50
O. K. Store and Range Co.						
Schupp & Schmidt Manufacturing Co.						

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MEAT INSPECTION—cont'd.									
Milwaukee, Wis.									
A. E. Behnke	Inspector	Apr. 1, 1898			\$1,400		\$1,400.00		
Geo. W. Butler	Assistant inspector	June 27, 1899			1,200		1,200.00		
Herbert Caldwell	do	Feb. 23, 1899			1,200		1,200.00		
Herman A. Christmann	do	Feb. 1, 1898			1,200		486.53		
T. T. Greene	do	Jan. 18, 1900			1,200		523.33		
Robt. H. Harrison	do	Feb. 7, 1898			1,200		1,200.00		
Richard W. Howett	do	Feb. 8, 1899			1,200		1,200.00		
C. H. Morse	Clerk	Oct. 1, 1894			900		877.79		
Henry Baumel	Stock examiner	Jan. 1, 1894			900		900.00		
Jacob J. Eichstaedt	do	June 5, 1894			900		900.00		
Chris. Hiller	do	Mar. 1, 1895			900		890.19		
Thos. C. Murphy	do	June 5, 1894			900		900.00		
John P. Somers	do	Jan. 1, 1899			900		897.54		
A. E. Behnke						Hire, horse and buggy			\$420.00
John W. LaVelle						Constructing two closets			77.00
Bay View Steam Laundry						Towel laundry			.50
Marshalltown, Iowa.									
Ira K. Atherton	Inspector	Sept. 1, 1898			1,400		1,388.45		
Nebraska City, Nebr.									
W. H. Gibbs	Inspector	Sept. 1, 1893			1,200		1,200.00		
Chas. A. Brown	Stock examiner	June 1, 1895			900		640.46	\$7.10	
F. A. Dammann	Tagger	June 10, 1895			720		563.23		
Ottumwa, Iowa.									
Joshua Miller	Inspector	Jan. 1, 1899			1,400		1,400.00		14.34
Abraham Mader	Stock examiner	Jan. 1, 1894			900		887.73		
Llewellyn C. Akin	Tagger	Feb. 1, 1898			720		514.57		
Geo. S. Bliss	do	May 18, 1898			720		655.50		
U. R. Walton	Laborer	Mar. 28, 1898	Apr. 14, 1900	\$30.00			254.00		

Inspector Tagger	May 16, 1893 do	1,400 720	1,400.00 720.00	3.00
<i>Bloomington, Ill.</i>				
Fredk. Braginton				
Chas. Vandervoort				
<i>Miscellaneous.</i>				
Chicago Car Seal and Manu- facturing Co.				7,999.33
Dennison Manufacturing Co.				4,097.50
The Friedenwald Co.				5,192.41
Goes Lithographing Co.				990.00
Miller Lock Co.				242.80
Chadwick Copying Book Co.				193.04
John C. Parker				192.32
E. Morrison Paper Co.				62.31
James S. Topham				33.00
Geo. A. Shelan				13.50
The Tilden Manufacturing Co.				8.90
H. F. Miller & Son				39.55
R. Carter Ballantyne				44.67
F. P. May & Co.				26.00
Harry E. Overstreet				5.38
R. Harris & Co.				310.00
S. D. Childs & Co.				145.71
Wm. E. Pratt				18.97
S. Stroock & Co.				9.00
L. Berger				4.60
The E. H. Smith Manufac- turing Co.				8.00
C. S. Braisted				6.12
Mackall Bros				11.75
The Harrington & King Perforating Co.				8.63
James B. Lambie				.85
M. P. Bush				3.60
Fredk. Springmann				1.30
D. Frank Parker				1.00
Richard I. Lamb				29.65
The J. F. W. Dorman Co.				52.90
Galvanotype Engraving Co.				4.62
J. P. Nawrath				10.75
T. S. Buck				37.20
The Geo. W. Knox Express Co.				1.09
Charles C. Fulton & Co.				3.60
The Washington Post Co.				4.50
The Evening Star News- paper Co.				3.60
Car seals and presses				
Meat-inspection tags				
Meat certificates and stamps				
Interstate meat-inspection stamps				
Padlocks and keys				
Copying books				
Stationery				
Clips and rubber bands				
Leather belts and straps				
Lumber				
Pads and ink				
Screw-top ink cans				
100 gross pens				
Pliers				
Hauling				
200 badges and dies				
"Condemned" tags				
Hog rings and ringers				
Felt				
Hauling tags and seals				
Air-cushion rubber				
Penholders				
Iodoform, etc.				
Perforated brass				
Tape measure				
Soap				
Hauling				
Duplicating ink				
Stamping ink and pads				
Type and tweezers				
Half-tone engravings				
100 pounds twine				
Flexible mounts				
Expressage				
Advertising proposals				
do				
do				

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
MEAT INSPECTION—cont'd.									
Miscellaneous—Continued.									
The Sun Printing and Publishing Co.						Advertising proposals			\$9.60
The Tribune Association						do			8.80
The Times Co.						do			8.25
Journal Newspaper Co.						do			4.20
Tribune Co.						do			7.20
Rudolph, West & Co.						Files, saws, iron and tin			12.73
A. M. Farrington						Traveling expenses		\$48.55	
F. R. Fravel						do		21.25	
Pennsylvania R. R. Co.						Passenger and freight transportation.		33.50	25.57
Chic. Mil. and St. P. Ry. Co.						do		2.55	19.00
Pitts., Cin., Chic. and St. L. Ry.						do		5.00	.92
Vandalia Line						Freight on tags and ink			172.26
Star Union Line						Freight on tags and stamps			47.17
Hannibal and St. Jo. R. R.						do			91.49
Chic. and No. W. Ry. Co.						do			82.09
Atch., Top. and S. Fe Ry. Co.						Freight on tags and seals			59.75
Balto. and Ohio S. W. Ry.						Freight on stamps			13.43
No. Pacific Ry. Co.						Freight on stamps and tags			45.75
Louis. and Nash. R. R.						Freight on seals			.76
Clev., Cin., Chic. and St. L. Ry.						Freight on seals and ink			2.92
Mich. Centl. R. R. Co.						Freight on seals and stamps.			1.86
N. Y., Chic. and St. L. R. R.						do			3.61
Chic. Ind. and Louis. Ry.						Freight on seals and tags			4.95
N. Y., N. H. and Hart. R. R.						Freight on stamps and tags			9.55
St. L. and San F. R. R. Co.						Freight on tags			1.00
Erie R. R. Co.						Freight on stamps			1.71
Chic. Burl. and Q. R. R. Co.						Freight on stamps and tags			3.27
Norfolk and Wash. S. E. Co.						Freight on tags			.84
Mechs. and Miners' Transp. Co.						Freight on stamps			15.57
Louis., Evans. and St. L. Con. R. R.						Freight on ink			.79
The Rio G. W. Ry. Co.						Freight on seals and stamps.			11.58

Boston and Albany R. R. Co.					Freight on stamps		.25
N. Y. Centl. and H. R. R. Co.					Freight on tags		.61
Fitchburg R. R. Co.					Freight on stamps		.82
St. Louis City and No. R. R. Co.					do		7.23
Chic. and Alton R. R. Co.					Freight on stamps and seals		61.01
Illinois Centl. R. R.					do		12.92
Burl. and Mo. R. R. Co. in Nebr.					Freight on stamps and tags		28.11
N. Y. and Balto. Transp. Co.					Freight on stamps		.41
Lake Sh. and Mich. So. Ry. Co.					Freight on stamps and seals		12.43
Texas and Pacific Ry. Co.					Freight on stamps		1.50
Centl. R. R. Co. of N. J.					do		1.09
Union Pacific R. R. Co.					Freight on seals and tags		17.24
Chic., R. I. and Pac. Ry. Co.					Freight on ink and tags		28.49
Wyckoff, Seamans & Benedict.					Oscillating mimeograph		50.00
The Public Printer					14 record books		254.25
Do					2 record books		40.70
The Southern Pac. Ry.					Freight on tags		2.81
Total						\$474,154.35	1,560.17
							30,141.89
MICROSCOPIC INSPECTION.							
Chicago, Ill.							
Morris Wooden							
E. L. Siggins				Mar. 16, 1899	Inspector	\$1,800	
Norman R. Adams				Sept. 1, 1893	do	1,400	
R. Kochanowski				Nov. 1, 1895	Stock examiner	900	
F. L. Simpson				Jan. 1, 1894	do	900	
Arthur Stuart				June 27, 1895	do	900	
John B. Sine				Dec. 31, 1899	do	900	
Do				Dec. 1, 1893	do	900	
Expert assistant.				June 1, 1900	do	1,200	
Horace G. Arnold				Dec. 1, 1898	Tagger	720	
David C. Barnett				Mar. 25, 1898	do	720	
W. A. Birner				Feb. 13, 1898	do	720	
Chas. H. Bridges				May 4, 1899	do	720	
E. A. Broadhurst				Jan. 1, 1896	do	720	
Jno. W. Burton				Jan. 2, 1899	do	720	
Hugo Elbring				Nov. 10, 1899	do	720	
A. L. Faunce				Oct. 16, 1898	do	720	
Albert W. Ford				Nov. 10, 1899	do	720	
S. D. Gillett				Jan. 2, 1899	do	720	
Bert Haskett				Nov. 10, 1899	do	720	
Albert E. Harris				May 1, 1896	do	720	
Jas. Herriman				June 27, 1895	do	720	
Alaine Hostetler				Oct. 1, 1898	do	720	
Herman Jacobus				June 27, 1895	do	720	
Robt. G. Knipple				June 8, 1896	do	720	

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MICROSCOPIC INSPECTION—continued.								
Chicago, Ill.—Continued.								
Edw. C. Lauck	Tagger	Oct. 12, 1898			\$720		\$86.03	
J. C. Lorenzen	do	June 27, 1895			720		720.00	
Wm. McKay	do	do			720		720.00	
U. C. Midkiff	do	Nov. 10, 1899			720		455.82	
F. A. Paddock	do	Feb. 1, 1898			720		115.38	
And. J. Quinn	do	Nov. 10, 1899			720		398.43	
Ernest E. Rue	do	June 8, 1896			720		180.00	
Theo. Sauer	do	Aug. 15, 1891			720		59.30	
C. J. Schmitt	do	May 1, 1896			720		659.40	
Harvey L. Shale	do	Dec. 1, 1898			720		684.44	
H. A. Simpson	do	Nov. 10, 1899	June 23, 1900		720		330.03	
Jas. E. Simpson	do	Oct. 10, 1898			720		720.00	
Thos. A. White	do	June 24, 1895			720		479.40	
Hiram Grable	Laborer	Sept. 1, 1896		\$2.00			104.00	
Bertha I. Allen	Assistant microscopist	Dec. 20, 1897			600		480.02	
Maud S. Armstrong	do	Apr. 6, 1898			600		478.43	
Flora A. Ayers	do	Nov. 26, 1894			600		304.00	
May E. Bablick	do	Oct. 6, 1898			600		466.70	
Katie Barrow	do	Nov. 1, 1892			600		419.14	
Mary K. Barry	do	May 1, 1895			600		449.08	
Gertrude M. Barry	do	Apr. 6, 1898			600		483.32	
Addie E. Benneson	do	Apr. 23, 1894			600		473.39	
Malvina A. Bixby	do	Aug. 20, 1897			600		484.88	
Estella C. Bonds	do	Apr. 6, 1898			600		452.20	
Veturia E. Boyd	do	Feb. 17, 1897			600		470.27	
Kate H. Brady	do	Dec. 1, 1892			600		486.57	
Martha E. Brandt	do	Dec. 7, 1896			600		468.54	
Laura D. Burke	do	June 22, 1891			600		258.67	
Nellie Callaghan	do	Sept. 1, 1893	Dec. 31, 1899		600		123.91	
Agnes Chase	do	Oct. 6, 1898			600		478.39	
Anna F. Clarke	do	Sept. 1, 1893			600		465.32	
M. J. Connell	do	do			600		481.65	
Nora Conway	do	Oct. 10, 1892			600		430.05	
May H. Crosby	do	Sept. 1, 1893			600		420.81	
Lillie M. Crowell	do	Feb. 1, 1894			600		430.98	
Nellie E. Damon	do	Feb. 5, 1894			600		450.17	

Estelle G. Davis.....	do	Apr. 6, 1898	600	448.77
Nina B. Davis.....	do	Jan. 3, 1898	600	483.26
Delia Dietz.....	do	Oct. 1, 1898	600	452.26
Bertha L. Diller.....	do	Sept. 1, 1893	600	458.76
Eliz. M. Donagan.....	do	Apr. 6, 1898	600	467.11
Barbara Dorse.....	do	Dec. 20, 1894	600	460.26
Ella B. Earle.....	do	Mar. 25, 1895	600	470.16
Eliz. K. Eckert.....	do	Mar. 16, 1895	600	468.40
Margret Enright.....	do	Sept. 11, 1893	600	379.75
Matilda Evanson.....	do	Jan. 3, 1898	600	488.27
Abbie M. Farwell.....	do	Feb. 15, 1895	600	19.56
Ada K. Gannon.....	do	Feb. 15, 1894	600	924.13
Mary F. Goggins.....	do	Aug. 9, 1897	600	473.94
Nellie M. Goodridge.....	do	May 16, 1893	600	440.77
Charl. B. Grosse.....	do	Oct. 1, 1898	600	470.29
Jennie E. Hatch.....	do	Dec. 31, 1897	600	437.73
Tessie C. Havy.....	do	June 20, 1891	600	455.48
Bessie M. Healy.....	do	Oct. 6, 1898	600	480.12
Julia Hell.....	do	Feb. 17, 1897	600	395.48
Jessie Hickman.....	do	Jan. 3, 1898	600	367.12
Dora V. N. Hosmer.....	do	Dec. 20, 1897	600	465.27
May E. Horkkiss.....	do	Feb. 1, 1894	600	452.09
Myrtle A. Hunt.....	do	Mar. 1, 1895	600	449.09
Abbie W. Hunter.....	do	Jan. 3, 1898	600	478.49
Effie M. Hurley.....	do	Feb. 1, 1894	600	473.47
Mary Hurley.....	do	Nov. 21, 1896	600	476.88
Sarah A. Ingram.....	do	Dec. 1, 1893	600	436.59
Louise Johnson.....	do	Apr. 1, 1898	600	475.23
Mae B. Joslin.....	do	Jan. 3, 1898	600	450.45
Mary E. Kean.....	do	Dec. 1, 1892	600	475.16
Nellie E. Kenyon.....	do	Sept. 1, 1893	600	478.26
Alice Lawson.....	do	Dec. 20, 1897	600	491.30
Mary E. Leahy.....	do	Aug. 9, 1897	600	458.47
Louise M. Lorey.....	do	Sept. 1, 1893	600	455.45
Kate R. Luce.....	do	Mar. 10, 1898	600	159.74
Evelyn C. McCarthy.....	do	Aug. 17, 1897	600	464.97
Rosanna McDonnell.....	do	Jan. 3, 1898	600	498.02
L. G. McGlasson.....	do	Apr. 6, 1898	600	498.02
Daisy G. McGrath.....	do	May 1, 1892	600	493.02
Ann T. Mace.....	do	Jan. 3, 1898	600	481.56
Kate Martana.....	do	do	600	471.30
Ellen S. Mayhew.....	do	Jan. 11, 1893	600	334.06
Katie A. Murphy.....	do	May 16, 1893	600	494.08
Maggie Murphy.....	do	Aug. 15, 1892	600	474.94
Mamie F. Murray.....	do	Jan. 6, 1898	600	494.67
Eliz. L. Neill.....	do	Sept. 1, 1893	600	491.35
Annie Nicolai.....	do	Jan. 3, 1898	600	491.43
Agnes B. O'Brien.....	do	Sept. 16, 1891	600	476.87
Helen E. O'Brien.....	do	Aug. 9, 1897	600	483.05
Julia H. O'Brien.....	do	do	600	478.95
Bertha A. Ockerby.....	do	do	600	460.38
	do	Oct. 6, 1898	600	483.31

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.		
MICROSCOPIC INSPECTION— continued.									
Chicago, Ill.—Continued.									
Bessie D. Ogden	Assistant microscopist.	Mar. 15, 1895	-----	-----	\$600	-----	\$480.00	-----	-----
Jessie G. Ogden	do	Aug. 6, 1894	-----	-----	600	-----	420.00	-----	-----
Genevieve Petrie	do	Dec. 20, 1897	-----	-----	600	-----	78.96	-----	-----
Matie Kneeland	do	May 1, 1894	-----	-----	600	-----	39.56	-----	-----
Jo Putnam-Hinds	do	Jan. 3, 1898	May 4, 1900	-----	600	-----	328.81	-----	-----
Anna M. Quinn	do	Oct. 1, 1894	-----	-----	600	-----	465.21	-----	-----
Agnes B. Kieder	do	Dec. 20, 1897	-----	-----	600	-----	484.98	-----	-----
Sarah A. Riley	do	Feb. 1, 1894	-----	-----	600	-----	140.93	-----	-----
Belle Ritter	do	Dec. 1, 1894	-----	-----	600	-----	489.87	-----	-----
Lila Robinson	do	Feb. 1, 1894	-----	-----	600	-----	378.40	-----	-----
Josephine Rockwell	do	Jan. 3, 1898	-----	-----	600	-----	481.93	-----	-----
Mabel Rockwell	do	Oct. 1, 1891	-----	-----	600	-----	478.30	-----	-----
Blanche Roy	do	Dec. 1, 1894	-----	-----	600	-----	463.69	-----	-----
Blanche Rutledge	do	Jan. 1, 1893	-----	-----	600	-----	475.01	-----	-----
Nellie A. Ryan	do	Oct. 10, 1892	-----	-----	600	-----	369.49	-----	-----
Hannah Scumlan	do	Apr. 1, 1892	-----	-----	600	-----	478.31	-----	-----
Elia Schwall	do	Jan. 3, 1898	-----	-----	600	-----	475.04	-----	-----
Mae H. Shaw	do	Dec. 7, 1896	-----	-----	600	-----	486.65	-----	-----
Mary Sheehan	do	do	-----	-----	600	-----	478.46	-----	-----
Nellie Sheehan	do	Oct. 6, 1898	-----	-----	600	-----	484.98	-----	-----
Evalina M. Shepard	do	Feb. 19, 1897	-----	-----	600	-----	405.85	-----	-----
Jennie M. Shufeldt	do	Dec. 1, 1894	-----	-----	600	-----	463.65	-----	-----
Pearl C. Sigler	do	Oct. 6, 1898	-----	-----	600	-----	484.98	-----	-----
Nannie D. Stral	do	Feb. 1, 1894	-----	-----	600	-----	453.73	-----	-----
W. O. Sutherland	do	do	-----	-----	600	-----	460.11	-----	-----
Maggie Taylor	do	Feb. 15, 1894	-----	-----	600	-----	317.13	-----	-----
Virginia S. Taylor	do	Feb. 1, 1894	Nov. 30, 1899	-----	600	-----	185.83	-----	-----
Hattie E. Thomas	do	do	June 4, 1900	-----	600	-----	412.62	-----	-----
Josephine C. Tully	do	Jan. 3, 1898	-----	-----	600	-----	445.77	-----	-----
Katherine Tully	do	Mar. 1, 1895	-----	-----	600	-----	455.49	-----	-----
Mildred E. Walters	do	Nov. 24, 1896	-----	-----	600	-----	475.11	-----	-----
Katherine Wolland	do	Dec. 17, 1894	-----	-----	600	-----	483.37	-----	-----
Carrie Wells	do	Dec. 18, 1893	-----	-----	600	-----	451.99	-----	-----
Clara Werther	do	Sept. 1, 1891	-----	-----	600	-----	476.67	-----	-----
Florence Whyte	do	Oct. 6, 1898	-----	-----	600	-----	432.37	-----	-----
George Hanton	Stock examiner	June 27, 1895	-----	-----	900	-----	373.30	-----	-----

Edith W. Dewey	Laborer	Nov. 1, 1898	1 \$30.00			340.31	
Selena Hosken	do	May 29, 1896	130.00			305.23	
Annie Lynch	do	Mar. 1, 1898	130.00			346.28	
Lillie Watkins	do	July 2, 1897	130.00			22.36	\$11.71
W. S. Devoe					Office expenses		5.63
O. E. Dyson					do		
F. L. DeWolf					Traveling expenses		
Gahan & Byrne					Office rent	\$14.90	
The Office Toilet Supply Co.					Towel laundry	2,700.00	
Hiram W. Hawley					Hire, horse and wagon	249.60	
Knickerbocker Ice Co.					Ice	5.70	
The Consumers' Co.					do	52.32	
J. Haberle					Hardware and repairing	12.82	
Doane Bros.					Packing microscopes	4.11	
A. M. Rothschild & Co.					Enamelled cloth	3.00	
<i>Kansas City, Kans. and Mo.</i>							
S. Stewart	Microscopist	July 1, 1893				1,305.60	
John S. Biggs	Clerk	July 1, 1899				840	5.90
Larkin S. Campbell	Tagger	Nov. 17, 1898				720	416.60
Bernd. Cunningham	do	Dec. 15, 1893				720	481.20
H. H. Knox	do	Nov. 1, 1897				720	59.30
E. E. Laird	do	Sept. 15, 1897				720	720.00
Milton C. Lint	do	Aug. 8, 1898				720	704.29
G. T. Mann	do	Dec. 21, 1891				720	450.00
H. R. McNally	do	Nov. 15, 1898				720	702.24
Robert Ivers	Laborer	Jan. 10, 1900	2.00				236.00
Claude McFarland	do	Mar. 1, 1899	2.00				236.00
Allan K. Pearson	do	Jan. 1, 1900	2.00				24.00
Anna E. Armstrong	Assistant microscopist	Jan. 17, 1898				600	397.27
Anna E. Bale	do	Feb. 7, 1898				600	395.87
Ida Bannister	do	Sept. 1, 1893				600	387.67
Amelia Barthels	do	June 20, 1892				600	392.56
Mary Bunce	do	Sept. 1, 1893				600	332.17
Margaret Burke	do	Feb. 7, 1898				600	400.87
Mary L. Burke	do	Sept. 1, 1893				600	387.56
May E. Carlisle	do	do				600	370.51
Anna M. Comstock	do	do				600	332.56
Nellie B. Crowley	do	do				600	374.49
Sallie A. Evans	do	Sept. 1, 1893				600	402.45
Midge Frechette	do	do				600	341.42
Florence E. Gray	do	Dec. 20, 1897				600	353.18
Marie Hancock	do	Feb. 7, 1898				600	402.41
Josie Hanrahan	do	Aug. 20, 1897				600	78.10
Mary Henry	do	Sept. 1, 1893				600	400.96
Doratha Holt	do	Aug. 20, 1897				600	342.31
Salie Hughes	do	May 1, 1895				600	266.04
Hattie M. Johnson	do	Feb. 7, 1898				600	373.34
Herman J. Kelley	do	Sept. 1, 1893				600	394.31
Tessie Linderman	do	June 23, 1892				600	404.10

1 Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Traveling.	Miscellaneous.
				Per diem.	Per-an-nu-m.	Miscellaneous items.	Salaries.			
MICROSCOPIC INSPECTION— continued.										
Kansas City, Kans. and Mo.— Continued.										
Kate Lynch	Assistant microscopist.	Jan. 10, 1898	.....		\$600		\$387.45			
Eliz. L. McCane	do	Feb. 7, 1898	.....		600		68.48			
Mary McCarty	do	June 1, 1892	.....		600		357.99			
Kate Martana	do	Jan. 11, 1893	.....		600		75.13			
Millie Martin	do	Aug. 20, 1897	.....		600		387.44			
Bessie J. Matson	do	Feb. 7, 1898	.....		600		203.97			
Margaret Mertell	do	Sept. 1, 1893	.....		600		382.74			
Maria P. Mullan	do	do	May 24, 1900		600		215.26			
Louise C. Olson	do	Jan. 3, 1898	.....		600		375.97			
Nora Osborne	do	Jan. 1, 1893	.....		600		377.67			
Jessie E. Rogers	do	Feb. 7, 1898	.....		600		382.59			
Maude E. Rowles	do	Feb. 1, 1898	.....		600		215.43			
May B. Schoettle	do	Aug. 20, 1897	.....		600		331.63			
Stella Sweet	do	June 16, 1893	.....		600		389.08			
Emma I. Torrence	do	Sept. 11, 1893	.....		600		374.30			
Jennie Tunstall	do	Sept. 1, 1893	.....		600		380.94			
Clara M. Waldo	do	Feb. 7, 1898	.....		600		385.81			
Jennie B. Wherrel	do	Feb. 1, 1898	Aug. 18, 1899		600		37.50			
Cora L. Williams	do	Jan. 10, 1898	.....		600		373.19			
Marion Williams	do	Sept. 1, 1893	.....		600		396.03			
Martha L. Wisdom	do	Oct. 1, 1893	.....		600		177.81			
Fannie B. Woodson	do	do	.....		600		351.23			
Emma M. Wyatt	do	Aug. 1, 1892	.....		600		283.12			
G. W. Tourtellot	do					Office rent				\$540.00
Silver Laundry and Towel Supply Co.						Towel laundry				91.87
Wyandotte Gas Co.						Gas				22.57
Redheffer Co.						Stoves				16.00
Fred Engerer						Coal				39.00
James Sullivan						Kindling				2.00
Joe W. Timmer						Hardware and repairing				32.60
R. H. Williams						Pearline and soap				5.45

New York, N. Y.

E. Balzer.....	Microscopist.....	Mar. 18, 1899	1,200	900.00	.....
Jno. McCullough, jr.....	Tagger.....	Jan. 8, 1896	720	1.96	.....
E. F. Slater, jr.....	do.....	Dec. 7, 1896	720	122.60	.....
H. F. Warkneiser.....	do.....	June 26, 1899	720	358.00	.....
A. H. Richards.....	Assistant microscopist.....	Mar. 1, 1895	600	402.59	.....
Eugenie Uhlrich.....	do.....	May 16, 1898	600	242.98	.....

South Omaha, Nebr.

Lowell Clarke.....	Microscopist.....	Nov. 1, 1895	1,200	900.00	.....
John T. Blair.....	Tagger.....	May 1, 1898	720	714.03	.....
John B. Payton.....	do.....	July 16, 1897	720	478.00	.....
Chris. M. Raff.....	do.....	Mar. 9, 1898	720	708.03	.....
Isaiah Richards.....	do.....	Dec. 1, 1898	720	478.00	.....
Chas. S. Scranton.....	do.....	July 18, 1898	720	712.13	.....
L. Schibusy.....	do.....	Nov. 6, 1893	720	672.23	.....
Sam'l. A. Risley.....	do.....	Oct. 1, 1898	720	60.60	.....
Nannie L. Vaughan.....	Laborer.....	Dec. 1, 1897	.....	203.92	.....
Christine Welland.....	do.....	July 10, 1899	.....	42.74	.....
J. O. Eastman.....	do.....	July 1, 1897	.....	570.00	.....
Mary A. Atwood.....	Assistant microscopist.....	Feb. 7, 1898	600	346.34	.....
Sarah H. Y. Barber.....	do.....	Aug. 20, 1897	600	323.51	.....
Maud B. Beck.....	do.....	Feb. 10, 1898	600	334.71	.....
Mary G. Bothwell.....	do.....	Dec. 20, 1897	600	343.08	.....
Louise Breton.....	do.....	Sept. 1, 1897	600	343.01	.....
Daisy M. Bryant.....	do.....	Dec. 20, 1897	600	89.68	.....
Ira E. Bushnell.....	do.....	May 16, 1893	600	250.07	.....
Nellie M. Dennis.....	do.....	Jan. 3, 1895	600	86.42	.....
E. M. Fancher.....	do.....	Oct. 31, 1899	600	300.51	.....
Mollie A. Conoyer.....	do.....	June 1, 1898	600	344.67	.....
Lulu E. Gibson.....	do.....	Sept. 1, 1896	600	343.04	.....
Mary K. Giblein.....	do.....	June 16, 1893	600	341.41	.....
Anna M. Harney.....	do.....	Sept. 26, 1898	600	190.80	.....
Margaret Hogan.....	do.....	June 16, 1893	600	331.50	.....
Stella Heustis.....	do.....	Dec. 20, 1897	600	333.13	.....
Etta Kassal.....	do.....	June 16, 1893	600	305.41	.....
Mary E. Kilbourne.....	do.....	Aug. 20, 1897	600	331.50	.....
Gertrude McCulloh.....	do.....	.....do.....	600	140.22	.....
Daisy C. Mans.....	do.....	Sept. 26, 1898	600	201.96	.....
Mary H. Milton.....	do.....	Feb. 10, 1898	600	336.69	.....
Mary E. Price.....	do.....	Sept. 1, 1897	600	336.31	.....
Fannie Sage.....	do.....	Aug. 20, 1897	600	336.39	.....
Corra A. Sayre.....	do.....	Jan. 5, 1895	600	253.08	.....
Lizzie Spencer.....	do.....	Aug. 20, 1897	600	333.01	.....
Janet Stevenson.....	do.....	Feb. 10, 1898	600	336.22	.....
Helen S. Wainwright.....	do.....	Sept. 1, 1897	600	281.41	.....
Mary E. Williams.....	do.....	Oct. 25, 1897	600	300.67	.....
Louisa E. Wilson.....	do.....	Aug. 17, 1897	600	238.64	.....
Packer's National Bank.....	do.....	.....	.....	44.36	.....

Office rent.

² Per day.¹ Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.				
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.	
MICROSCOPIC INSPECTION— continued.										
South Omaha, Nebr.—Cont'd.										
J. N. Kelly										\$36.61 40.00
W. H. Dennis										
Boston, Mass.										
Ulysses G. Houck	Inspector	Mar. 10, 1899			\$1,400		\$182.57			
Alfred F. Martins	Assistant inspector	Mar. 1, 1898			1,200		695.60			
Wm. P. Cherrington	Stock examiner	Dec. 1, 1894			900		597.50			
W. E. Berry	Taggers	June 1, 1899			720		473.88			
Frank N. Brown	do	Jan. 8, 1896			720		356.80			
F. H. Burleigh	do	Sept. 28, 1891			720		478.00			
Albert G. Chapin	do	Feb. 11, 1890			720		478.00			
Wm. J. Corbett	do	Dec. 1, 1893	Sept. 16, 1899		720		99.79			
Eva M. Chickering	Assistant microscopist.	Nov. 24, 1895	Jan. 13, 1900		600		138.59			
Helen M. Cogan	do	Apr. 11, 1898			600		206.71			
Gerta M. Colby	do	June 1, 1894			600		57.06			
Mima M. Dean	do	Apr. 11, 1898	Dec. 31, 1899		600		167.32			
Eliz. M. Driscoll	do	do			600		185.08			
Gertrude H. Ellison	do	Nov. 24, 1896			600		30.98			
Carrie I. Ellsworth	do	Jan. 5, 1893			600		34.23			
Emma H. Ellsworth	do	Feb. 1, 1894			600		174.00			
Anna Erickson	do	July 16, 1893			600		198.30			
Abbie M. Farwell	do	Feb. 15, 1895			600		144.46			
Alice N. Foss	do	Apr. 11, 1898			600		198.30			
Abbie F. Gago	do	Dec. 12, 1892			600		198.30			
Violet A. Hall	do	Nov. 24, 1896			600		192.03			
Carrie B. Hosler	do	Apr. 11, 1898			600		90.78			
Sarah G. Kelley	do	do			600		180.11			
Mary E. Langdon	do	Sept. 28, 1891			600		201.82			
Mary E. Macloskey	do	May 1, 1894			600		180.36			
Corra L. Seeley	do	Dec. 26, 1892			600		198.30			
Annie C. Shepherd	do	Feb. 1, 1898			600		17.93			
Margaret V. Slater	do	Apr. 23, 1894			600		165.92			
Eliza M. Taylor	do	Apr. 11, 1898			600		178.73			
Florence I. Turner	do	Apr. 23, 1894			600		196.67			

Carlotta L. Ward.....	do	May 1, 1894	600	157.79					
Alice M. Watkeys.....	do	Apr. 11, 1898	600	159.16					
Effie I. Wescott.....	do	do	600	208.34					
Etta L. Williams.....	do	Nov. 1, 1891	600	194.97					
Ida J. Vance.....	do	Feb. 1, 1898	600	24.46					42
A. G. G. Richardson.....	do	July 21, 1899							51.46
Bay State Clean Towel Co. New England Telegraph and Telephone Co.									21.60
<i>Milwaukee, Wis.</i>									
Walter J. Stewart.....	Assistant inspector	June 15, 1896	1,200	1,200.00					
Chester J. Curtis.....	Tagger	June 5, 1894	720	720.00					
Wilfred M. Miller.....	do	Nov. 10, 1891	720	362.60					
E. V. Putnam.....	do	May 1, 1896	720	720.00					
Martha A. Brittan.....	Assistant microscopist	May 16, 1898	600	88.33				\$2.60	
Ellia M. Caldwell.....	do	Jan. 3, 1898	600	378.05					
Louise Faust.....	do	Nov. 1, 1891	600	386.16					
Emma C. Fogo.....	do	Feb. 15, 1895	600	161.85					
Mary Gorman.....	do	Aug. 20, 1891	600	180.66					
Clara E. Holmes.....	do	Apr. 18, 1898	600	98.33				5.55	
Hariet F. King.....	do	Feb. 21, 1898	600	132.72					
Frankie E. Kelly.....	do	Jan. 3, 1898	600	391.03					
Matie Kneeland.....	do	May 1, 1894	600	167.47					
Anastasia Lawrence.....	do	Sept. 7, 1897	600	381.12					
Josephine A. Lyon.....	do	Dec. 15, 1894	600	309.39					
M. Myrtle Maynard.....	do	Apr. 25, 1898	600	384.42					
Pearl N. Maynard.....	do	Oct. 25, 1897	600	356.77					
Mary McShane.....	do	Feb. 16, 1895	600	386.08					
Sue Nichols.....	do	Oct. 25, 1897	600	381.20					
Ida M. E. Scholz.....	do	Apr. 25, 1898	600	315.79					
Hattie Schultz.....	do	Sept. 15, 1891	600	174.08				6.85	
Mae Searis.....	do	Apr. 18, 1898	600	109.96					
May M. Sheldon.....	do	Apr. 25, 1898	600	24.46					
Thekla E. Sonntag.....	do	Jan. 10, 1898	600	172.35					
Mary Somers.....	do	Feb. 16, 1895	600	361.19					
Nellie F. Somers.....	do	Jan. 10, 1898	600	379.60					
Marie J. Ward.....	do	Jan. 24, 1898	600	133.70					
Elba E. Whitaker.....	do	Dec. 18, 1897	600	384.43					
Syl. M. Whitaker.....	do	Apr. 25, 1898	600	364.78					
Edna L. Willis.....	do	do	600	382.80					
Anna Zimmerman.....	do	Feb. 10, 1895	600	353.13					
A. E. Behnke.....	do								112.08
Chic. & No. W. Ry. Co							14.80		
Chic., Mil. & St. P. Ry.							7.39		
Bay View Steam Laundry..									1.00

1 Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MICROSCOPIC INSPECTION— continued.									
Cleveland, Ohio.									
Frank Fila.	Tagger.	Sept. 25, 1893			\$7.20			\$680.70	
John D. Shannon.	do	Nov. 6, 1893			720			538.40	
Mamie L. Corcoran.	Assistant microscopist.	Dec. 15, 1897			600			118.51	
Alice M. Daugherty.	do	Oct. 22, 1894			600			125.13	
Mary English.	do	July 1, 1893	Aug. 15, 1899		600			9.78	
Mary Evans.	do	Nov. 1, 1894	Aug. 31, 1899		600			13.04	
Minnie Forsch.	do	July 1, 1893			600			123.66	
Mary Reinhart.	do	Sept. 1, 1893			600			122.01	
Isabella Lace.	Laborer.	May 29, 1896		1 \$30.00				201.21	
National Stock Yards, Illinois.									
F. L. DeWolf.	Assistant inspector.	Sept. 6, 1895			1,200			202.20	
Elwin T. Davison.	do	Sept. 7, 1896			1,200			238.01	
David C. Barnett.	Tagger.	Mar. 25, 1898			720			86.03	
E. S. Bennett.	do	Feb. 15, 1895			720			37.17	
Wm. J. Doyle.	do	do			720			232.83	
Geo. F. Harley.	do	June 18, 1898	May 26, 1900		720			240.60	
Chas. O. McDonald.	do	Dec. 1, 1898			720			442.33	
Ada H. Baker.	Assistant microscopist.	Mar. 10, 1898			600			21.20	
Inez J. Christie.	do	Apr. 13, 1898	Sept. 1, 1899		600			135.42	
Mary Connolly.	do	June 10, 1898			600			145.20	
Pearl M. Finch.	do	do			600			143.48	
Ora A. Houseman.	do	do			600			141.94	
Anna Klingel.	do	Mar. 10, 1898			600			138.67	
Mamie Pauly.	do	do			600			135.41	
Laura S. Ropiquet.	do	do			600			137.04	
Martha Schnell.	do	do			600			138.67	
Mae Searles.	do	June 10, 1898			600			109.33	
Orville H. Banks.	do	Apr. 18, 1898			600			115.17	
J. J. Brougham.	Laborer.	Mar. 26, 1898		130.00					
St. Louis National Stock Yards.							Office expenses		\$19.59
							Office rent		250.00

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.			
MICROSCOPIC INSPECTION—continued.										
Indianapolis, Ind.—Cont'd.										
Margaret Carroll	Assistant microscopist.	Oct. 22, 1894			\$600		\$304.03			
Margaret Clarke	do	Apr. 16, 1894			600		301.23			
Mary B. Clark	do	June 21, 1897			600		323.78			
Elsie E. Daugherty	do	Feb. 1, 1898			600		318.85			
Mattie H. Dickinson	do	do			600		313.71			
Mary A. Egan	do	Oct. 1, 1894			600		359.08			
Nellie Holland	do	Nov. 8, 1894			600		333.65			
Eliz. S. Hurst	do	Dec. 7, 1896			600		369.70			
Lizzie Keller	do	Aug. 17, 1897			600		364.83			
Nellie Lewis	do	Dec. 1, 1898	Apr. 7, 1900		600		300.37			
Mary Lucid	do	Dec. 16, 1893			600		366.35			
Martha L. Metcalf	do	Dec. 1, 1898			600		346.70			
Pearl C. Miles	do	Dec. 7, 1896			600		346.63			
Flora F. Miller	do	Oct. 6, 1896			600		359.91			
Mary E. Ritchie	do	Nov. 26, 1894			600		369.76			
Rachel E. Robinson	do	Feb. 1, 1898			600		314.12			
Daisy Stewart	do	do			600		359.92			
Ella A. Sullivan	do	Dec. 1, 1894			600		325.24			
Will B. Tate	do	Oct. 9, 1896			600		286.64			
Lewis S. Dreyer	Laborer	Oct. 10, 1898		\$2.00			618.00			
Mary Morrison	do	May 29, 1896		1 30.00			359.00			
Niels C. Sorensen						Office expenses				\$11.35
Armstrong Laundry						Towel laundry				19.67
W. G. Sloan						Hauling				5.00
Clev., Cin., Chic. & St. L. Ry.						Freight on chairs				3.93
Sioux City, Iowa.										
Wm. A. Heck	Assistant inspector	Apr. 15, 1897	Dec. 4, 1899		1,200		397.84			
H. A. Christmann	do	Feb. 1, 1898			1,200		101.10			
Thos. G. Cowgill	Tagger	May 9, 1898			720		180.00			
Patrick Finnau	do	Nov. 17, 1898	July 31, 1899		720		60.60			
Amelia M. Allyn	Assistant microscopist	May 16, 1898			600		174.45			
Eulalia Edwards	do	Sept. 1, 1897			600		159.78			

Mary L. Pendleton	May 9, 1898	600	187.49	50.81
Alice E. Spalding	do	600	161.40	20.25
Anna R. Strange	Feb. 7, 1898	600	187.49	
H. Inez Temple	do	600	194.01	
Clara E. Townsend	May 16, 1898	600	192.38	
Henry D. Osborne	Mar. 21, 1898	2.00	224.00	
Wm. Thompson	do			
E. A. Conway Coal Co	do			
<i>Cudahy, Wis.</i>				
Stephen D. Gillett	Jan. 2, 1899	720	205.43	\$4.32
Jos. M. Sommer	Oct. 1, 1898	720	119.40	
Mary Buttrick	Apr. 25, 1898	600	40.76	
Mary Gorman	Aug. 24, 1891	600	132.15	
Harriet F. King	Feb. 21, 1898	600	124.00	
Mattie Kneeland	May 1, 1894	600	132.15	
Thekla E. Sonntag	Sept. 15, 1891	600	132.15	
A. R. Wake	Jan. 10, 1898	600	132.15	1.75
Bay View Steam Laundry	do			2.67
<i>Miscellaneous.</i>				
Colman Brez.				
C. O. Goodpasture	Oct. 1, 1898	4.00	1,252.00	
Balto. & Ohio R. R. Co	do		33.00	
Bausch & Lomb Optical Co	do		17.50	
The Friedenwald Co	do			859.13
Miller Lock Co	do			401.28
Chas. O. Brockway	do			280.00
The Denny Envelope and Tag Co.	do			143.20
J. P. Nawrath	do			46.52
D. S. Goumpf	do			27.00
Chicago Car Seal and Manufacturing Co.	do			27.10
James B. Lambie	do			66.00
M. P. Bush	do			27.08
The J. C. Ergood Co	do			3.00
T. S. Buck	do			38.42
F. A. Koch & Co.	do			18.25
R. Carier Ballantyne	do			18.30
Barber & Ross	do			7.17
Elmer H. Catlin & Co.	do			18.20
C. H. Warren	do			8.70
	do			50.00

1 Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1900—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MICROSCOPIC INSPECTION—continued.									
Miscellaneous—continued.									
Lake Sh. & Mich. So. Ry. Co.						Freight on hardware			\$0.84
Chic., Mil. & St. P. Ry. Co.						do			.50
The Public Printer.						6 record books			113.55
Total.....							\$147,102.80	\$146.14	7,219.99

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